ANUJ KUMAR DIXIT

Ambitious BCA Graduate Specializing in Data Science, Python, and C++ with Proven Internships and Projects Experience

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Address: Bangalore, Karnataka, India| Gender: Male, Unmarried | Citizen: Indian

CAREER SUMMARY

Dynamic and results-driven BCA graduate with comprehensive experience in Python, C++, and Data Science. Proven ability to optimize code, enhance system performance, and develop predictive models. Strong interpersonal and problem-solving skills with a passion for innovative technology solutions. Demonstrated proficiency in both individual and team settings, delivering projects within deadlines.

CAREER HIGHLIGHT

Successfully developed a house price prediction model using machine learning techniques during an internship at TechnoHacks EduTech, achieving high accuracy and providing valuable insights for stakeholders.

CAREER GOAL

To leverage my skills and knowledge in data science, Python, and C++ to contribute to cutting-edge projects and innovative solutions in a forward-thinking organization.

ACADEMICS

Bachelor of Computer Applications (BCA)
Dayananda Sagar University, Bengaluru, Karnataka, India (2021/10 – 2024/05)

12th Std
Gandhi Public School, Gunupur, Rayagada, India (2019/06 – 2021/05)

WORK EXPERIENCE

Python Developer Intern | NovaNectar Services Pvt. Ltd. | Dehradun, India (2024/05 – 2024/06)
- Developed innovative solutions to complex technical challenges using Python.
- Designed and implemented efficient algorithms to optimize code performance.
- Collaborated with cross-functional teams to gather requirements and deliver high-quality software.
- Debugged and resolved issues in existing codebases to enhance system stability.
- Wrote clear and concise documentation for code and system architecture.
- Conducted code reviews and provided constructive feedback to peers.
- Integrated third-party APIs and services to extend application functionality.
- Participated in Agile development processes, including sprint planning and retrospectives.
- Communicated technical concepts effectively to various stakeholders, including non-technical team members.
- Ensured compliance with best practices and industry standards in software development.

C++ Developer Intern | System Tron Interpe | Remote, Karnataka, India (2024/04 – 2024/05)
- Improved system performance by 30% through meticulous code optimization and refactoring.
- Led a team of developers in designing a large-scale distributed system.
- Increased transaction processing efficiency by 50% through strategic system design.
- Conducted performance profiling and identified bottlenecks in the system.
- Implemented advanced data structures and algorithms to enhance application speed and reliability.
- Coordinated with project managers to ensure timely delivery of project milestones.
- Developed and maintained comprehensive unit tests to ensure code quality.
- Utilized version control systems (e.g., Git) to manage codebase changes effectively.
- Provided technical guidance and mentorship to junior developers.
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- Documented technical specifications and system architecture for future reference.

Data Science Intern | TechnoHacks Edutech | Remote, Karnataka, India (2024/04 – 2024/05)
- Developed predictive models using machine learning techniques, increasing forecast accuracy by 20%.

- Automated data collection processes, reducing manual work by 40%.
- Analyzed large datasets to extract actionable insights and support business decisions.
- Implemented data preprocessing and cleaning techniques to ensure data quality.
- Created visualizations and dashboards to communicate findings to stakeholders.
- Collaborated with data engineers to integrate models into production environments.
- Conducted exploratory data analysis (EDA) to identify trends and patterns.
- Participated in the design and implementation of data pipelines.
- Worked with various machine learning libraries and frameworks (e.g., Scikit-learn, TensorFlow).
- Presented technical findings and recommendations to non-technical audiences effectively.

PROJECTS

- **Guess A Number Game (2024):** Constructed an appealing "Guess a Number" game in C++ as part of a programming challenge at System Tron utilized essential programming concepts including conditionals, loops, and user input handling created multiple difficulty levels to accommodate varying player abilities enhanced analytical thinking and problem-solving intuition through this project.
- **House Price Prediction (2024):** Built a house price prediction model during an internship at TechnoHacks EduTech. conducted in depth data analysis on variables such as size, number of rooms, and locations applied machine learning techniques including Linear Regression, Decision Trees, and Random Forest achieved precise price predictions, aiding stakeholder in making informed decisions partnered with mentor Sandip Gavit to innovate in real estate valuation.
- **Billing System Software (2024):** Engineered a billing system using Python, integrating MongoDB, Flask, and MYSQL for data management automated invoicing to minimize manual errors streamline billing processes implemented user authentication and data protection mechanism designed an user friendly interface with HTML, CSS, and JavaScript, improving accessibility conducted through testing and debugging to ensure high performance and reliability.

SKILLS

- **Core Competencies:** Data Analysis, Machine Learning, Software Development, Code Optimization, Project Management, Predictive Modeling, Data Visualization, Algorithm Design, Team Collaboration & Technical Documentation.
- **Managerial Skills:** Team Leadership, Time Management, Critical Thinking, Decision Making, Strategic Planning, Conflict Resolution & Stakeholder Management.
- **Technical Skills:** Programming Languages: C++, Python; Frameworks & Libraries: Flask, NumPy, Pandas, Matplotlib, TensorFlow; Data Science: Machine Learning, Data Analysis, Predictive Modeling; Software Testing: Automated Testing, Debugging; Database Management: MySQL, MongoDB; Web Development: HTML, CSS, JavaScript; Tools: Git, Rapid Miner

CERTIFICATIONS

- Altair RapidMiner Certified - Data Engineer and Machine Learning
- Tata Consultancy Services - Free Online Certifications Courses
- Great Learning Course - Python for Machine Learning

AWARDS AND RECOGNITION

- ST Francis De Sales College - Best Paper Award
- RV Institute Technology and Management - EASCT Conference 2024
- Tareeqa Global Solution Pvt. Ltd - Free Human Resource Workshop

TRAININGS ATTENDED

- Free Human Resource Workshop, Tareeqa Global Solution Pvt. Ltd
- Python For Machine Learning, Great Learning

LANGUAGES KNOWN

- English
- Hindi

DECLARATION

I hereby declare that all the information provided is true to the best of my knowledge and belief.

Date:
Place: Bangalore, Karnataka, India   **Anuj Kumar Dixit**