



# MAYANK SINGH

## PYTHON SOFTWARE DEVELOPER

### PROFILE SUMMARY

Python Developer with 3+ years of expertise in designing scalable, high-performance applications. Proficient in Python frameworks, consistently delivering robust software solutions. Increased development efficiency by 20% in previous projects, ensuring high-quality code and on-time delivery.

### WORK EXPERIENCE

#### Wipro

##### Software Developer

PRESENT

- Involved in ongoing training sessions, working on enhancing backend processes and software architecture to ensure optimized performance and scalability.

#### NEC Corporation India

##### Software Developer

FEB 2022 - AUG 2023

- Led IoT development in the FIWARE framework, optimizing data collection and analytics systems, resulting in a **30% improvement in data processing speed** and a **25% reduction in latency for IoT applications**.
- Created APIs that established seamless connectivity between sensors and Orion's ContextBroker, leading to a **40% increase in data transfer reliability**.
- Contributed to Smart Cities and City Sense AI projects, delivering real-time data solutions that **improved decision-making accuracy by 35%**.
- Oversaw multiple projects, cutting delivery times by 15% through effective technical leadership and problem-solving.

#### Coforge

##### Software Engineer

APRIL 2021 - FEB 2022

- Designed a billing module that enhanced transaction handling, reducing processing time by **30%** and improving billing efficiency by **20%**.
- Implemented RESTful APIs for CRUD operations, increasing data management efficiency by **30%**.
- Worked with the QA team to elevate system performance, resulting in a **15% reduction in defects**.
- Assisted in building a policy rate calculation module, streamlining premium determination, reducing calculation errors by **25%**.

#### Akkodis

##### Embedded Software Developer - Training

AUG 2023 - DEC 2023

- Developed and integrated Advanced Driver Assistance Systems (ADAS) using backend technologies, resulting in a **20% improvement in vehicle safety performance**.
- Leveraged Python, AWS Lambda, and ML/AI to enhance ADAS functionality, reducing system response times by **15%**.
- Integrated camera and signal technologies, improving sensor data processing accuracy by **35%**.

### CERTIFICATIONS

- Microsoft Technology Associate - Python And Java
- NIIT - C And C++
- NPTEL - Introduction To Internet Of Things
- LazyHacker - Network Security

### CONTACT

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### EDUCATION

#### AMITY UNIVERSITY 2017 - 2021

- Bachelor of Technology
  - Computer Science and Engineering

### SKILLS

- Programming Languages :
  - Python
  - C
  - JavaScript
- Frameworks/Tools :
  - Django
  - Flask
  - Docker
  - Postman
  - Tomcat Apache
  - Eclipse
- Databases :
  - PostgreSQL
  - MySQL
- Others :
  - DSA
  - HTML5/CSS
  - Machine Learning
  - Deep Learning
- Operating Systems :
  - Linux
  - Windows