

BHISHAK MITTAL

Software Engineer | Backend & Meta Programming | 3+ Years Experience

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📍 Noida

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EXPERIENCE

STMicroelectronics | Sr Software Engineer (SDE2)

📅 February 2023 – Present 📍 Noida, India

- **Microservices Development:** Spearheaded the design and implementation of scalable event-driven microservices architecture, addressing challenges such as inter-service communication.
- **FourDS Library:** Developed a highly configurable, stateful microservices library that abstracts database, ORM, and RESTful API's, integrating permissions and account interfaces.
- **Utility Library:** Created a generic library to streamline logging and messaging queues, enhancing system reliability.
- **Agile Practices:** Adhere and collaborate to clean code principles and maintain 100% test coverage across all microservices.
- **Tech Stack:** Java, Spring Boot, MySQL, Apache Artemis (ActiveMQ-Next).

STMicroelectronics | Application Software Engineer (SDE1)

📅 Oct 2021 – Jan 2023 📍 Noida, India

- **Feature Development:** Implemented new features and enhancements using Python, improving overall application functionality.
- **Project Lead:** Led crossfire overlay project adapting it for internal use.
- **Process Improvement:** Enhanced the development environment for coding, release process, and onboarding, contributing to sustainable development practices.
- **Tech Stack:** Python.

myHQ | Software Developer Intern + Parttime

📅 Dec 2019 – March 2021 📍 Delhi, India

- **Dynamic SEO System:** Developed and optimized a dynamic SEO system using Node.js and Angular, significantly improving search engine rankings.
- **Image Optimization:** Image optimization strategies for various devices, improving load times reducing FCP by 300%
- **Website Optimization:** Boosted Lighthouse performance metrics from 35% to 92% through strategic optimizations.
- **Docker Containerization:** Streamlined the project environment by integrating Docker, enhancing cloud deployment efficiency.
- **Adblock Bypass:** Bypassed ad blockers, doubling data collection from desktop users.
- Backend development
- **Tech Stack:** Node.js, Angular.

EDUCATION

Punjab Engineering College (PEC University of Technology) | B.Tech in ECE

📍 Chandigarh, India

71.1% | Graduation Year: 2021

CORE SKILLS

- **Programming Languages:** Java, Python, JavaScript, C
- **Frameworks & Libraries:** Spring Boot, Angular.js
- **Software Development:** Agile Methodologies, Microservices Architecture, Test-Driven Development
- **Databases:** MySQL, MongoDB
- **Unit Testing:** Junit, Mockito
- **Tools & Technologies:** VSCode, Apache Artemis MQ, Docker, UML, Linux Basics

PROJECTS

Saathi The Smart Pendant [Link]

Smart wearable with live location tracking and scene detection, reminders.

Smart Workplace [Link]

- Biometric-free attendance system via Wi-Fi.
- NFC Smart Purchase Card to prevent skimming.
- Recognized by Dainik Bhaskar Newspaper.

Eye Web Player [Repo] [Link]

Web player with keyboard control and pupil tracking, built in Angular.js.

CERTIFICATES

Deep Learning and Neural Networks

Score: 93%

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, and Optimization

Score: 92%

Algorithmic Toolbox - Computer Science

Score: 79%

ACHIEVEMENTS

Site Level Python Trainer | STMicroelectronics, Noida

- Continuously mentoring colleagues in Python programming.