Mayank Rawat

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EDUCATION

Thapar Institute of Engineering and Technology, Patiala — Punjab, India
Bachelor of Engineering in Computer Science, CGPA: 9.56/10.00 — *Aug. 2020 – May. 2024*

M.M. Public School, Gurgaon — Haryana, India
HSC, 94.60 Aggregate — *April. 2019 – May. 2020*

M.M. Public School, Gurgaon — Haryana, India
SSC, 93.00 Aggregate — *April. 2017 – May. 2018*

WORK EXPERIENCE

SWE Intern — Jan 2024 - Present
Fastenal — *Bengaluru, India*

- Gained extensive hands-on experience in React and Spring Boot through actively resolving bugs and enhancing features of fastenal.com.
- Contributed to the development of a specialized registration flow for fast360 users, optimizing user acquisition.
- Actively involved in the migration from monolithic to microservice and microfrontend architecture.

PROJECTS

Tronix.Inc ↗ | *Java, Spring Boot, Spring Security, JWT, React, Microservices, Micro-frontend*

- Developed a fully functional e-commerce application using Java Spring Boot, ensuring secured access through JWT and Spring Security.
- Implemented a user-friendly admin panel, enhancing control and management capabilities within the e-commerce application.
- Employed Microservices architecture and Micro-frontend development, optimizing scalability and ensuring a responsive React-based frontend for an enhanced user experience.

MixItUp ↗ | *Python, moviepy, pytube, FFmpeg, youtube-search, smtplib, Streamlit*

- Built a Python website that generates a continuous mashup of an artist's songs from YouTube based on input.
- Developed a responsive web app with Streamlit for customizable song count and duration in the music mashup.
- Utilized zip file format to compress and package music mashups, and sent to users' email addresses using the smtplib package.

Tablytix ↗ | *Deep Learning, CNNs, GCP, Docker, Flask, IceVision*

- Developed a financial data analysis tool with Dr. Jasmeet Singh, focusing on conducting document layout analysis and logo redaction.
- Utilized deep learning architectures for document analysis, leveraging: PyTorch and IceVision frameworks to train and host deep neural architecture models.
- Leveraged cloud services such as GCP for seamless integration and employed Docker for efficient deployment.

TECHNICAL SKILLS

DSA and Problem Solving
Languages: Java, C/C++, Python, R, Swift, HTML/CSS, JavaScript, SQL
Frameworks: Spring Boot, Flask, React, Hibernate
Databases: MySQL, PL/SQL, MongoDB
Testing: JUnit, Mockito
Developer Tools: Git, Github, Google Colab, VS Code, Android Studio, Tableau, AWS, XCode

ACHIEVEMENTS

Institute Gold Medal | *Thapar University, Patiala*

- Received the Institute Gold Medal for academic excellence, awarded to the **top 1%** of students in the computer science and engineering program.

Merit Scholarship | *Thapar University, Patiala*

- Awarded a merit scholarship worth INR **550K+** based on annual GPA in the academic year 2021-2022 and 2022-2023.