

Parva Shah

Portfolio: [parva-shah.vercel.app/](#)

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EDUCATION

- Rochester Institute of Technology** Rochester, NY, USA
• *Master of Science in Software Engineering; CGPA: 3.5*
Relevant Courses: Software Architecture, Software Construction, Database Design, Data Analytics, Collaborative Software Development, Software Quality Assurance, Visual Analytics
Present

SKILLS SUMMARY

- **Languages** Python, C, C++, JavaScript, Java, HTML, CSS, PHP, PL/SQL
- **Frameworks** NodeJS, ReactJs, Django, ExpressJs, Flask, Oracle Apex, Shopify
- **Libraries** Tensorflow, Sci-Kit Learn, PyTorch, JaCoCo, pytest-cov, SeaBorn
- **Tools** PostgreSQL, MongoDB, Amazon DynamoDB, AWS, CI/CD, Tableau, Jest, Jenkins, MS Access
- **Soft Skills** Bug fixing, Team Management, Leadership, Agile Environment, Sprints

EXPERIENCE

- **Graduate Researcher** Rochester, NY, USA
Rochester Institute of Technology 01/2024 - Present
 - Scripted a python code to increase the data-gathering speed by 70% by removing the manual labor.
 - Analyzed Source code of **10k+** Wechat application and found more then 60% had malicious code.
 - Constructed custom **POST and GET requests** to better understand the flow of data and track the data flow.
- **Software Developer** Pune, India
Zenture IT 02/2023 - 05/2023
 - Facilitated towards client success by **crafting Proof of Concept and foundational web designs** that resulted in a 10% increase in customer engagement.
 - Implemented **thread pooling** which resulted in reduced processing time of large program files by 50% and enhanced system stability.
 - Refactored old code and migrated it to **React** which improved the system performance by 40%.
- **Researcher** Montreal, Canada
Concordia University 05/2022 - 08/2022
 - Redesigned and updated the ULP Algorithm using **Tensorflow** and **Deep Learning** techniques, resulting in a 20% improvement in accuracy.
 - Architected and executed the implementation of a cutting-edge User Interface in **Django**, enabling seamless log file parsing and analysis, leading to a 30% improvement in data accuracy and reducing processing time by 40%.
 - Conducted extensive testing on log files using **Sci-kit library** to enhance algorithm accuracy and efficiency by 40 percent.

PROJECTS

- **Club Management App:** Architected a full-stack Nightclub Management solution, **leading a 4-person team** to integrate **SQL, Flask, Python, and React**. Implemented CI/CD Pipeline to ensure the flow of development.
- **Rideshare App:** Engineered a rideshare platform using **Django, and PostgreSQL** incorporating geolocation APIs using **NodeJS**. Sketched the API calls between the client/server using **Flask**
- **Appli-Tracker** Spearheaded a team of 5 in developing a Application-Tracking software for Students. Wrote 15 test suites using **Jest** for various user-stories achieving a code-coverage of 97%. Licensed by **Apache** and passed **Sonar Cloud** implying 100% system stability.
- **Task Management API** Engineered a task management API leveraging **JavaScript, NodeJS and ExpressJS**, allowing CRUD operations and securely storing data in **MongoDB**. Crafted API Calls to achieve 100% robustness and successfully deployed on **Heroku**.

CERTIFICATIONS

- Mitacs Globalink Intern - Mitacs
- Neural Networks and Deep Learning - DeepLearning.ai
- Specialization in Python - University of Michigan

ABOUT

I'm a Graduate Student currently enrolled in a **STEM Major** with a knack for Coding and Problem Solving for fun. I can work and code for hours if I'm able to see the results in real life. I've created various Applications and Software while learning and so far I've done it for fun and Learning. If, I'm not suitable for the job because of not equipped with the technologies involved. I can commit myself to upskill and gain the necessary learning in a very short amount of time.