Aditya Mehta

602-312-3521 | amehta76@asu.edu | LinkedIn | GitHub | Portfolio

Education

Master of Computer Science — Expected - May 2025
Arizona State University, Tempe, AZ — *GPA: 3.94/4.00*

Bachelor of Technology in Computer Science — Aug 2016 – May 2020
University of Petroleum and Energy Studies, Dehradun, IN — *GPA: 7.78/10.00*

Skills

Languages: Java, Python, C/C++, SQL, HTML/CSS, TypeScript, PHP
Frameworks/Libraries: Pandas, NumPy, Matplotlib, Angular, Django, Spring Boot, OpenCV, PyTorch, TensorFlow, Apache Hadoop, GraphQL, Scikit-Learn
Developer Tools: MySQL, Oracle Database, AWS, GCP, GitHub, GitLab, Jira, ScenarioEditor, Docker, Jenkins, Ansible, Maven, Azure, Selenium, JMeter, Conda, Linux, Google Suite, Microsoft Office

Professional Experience

Software Engineering Lead — Feb 2023 – Jul 2023
Capgemini India (General Motors, US) — *Bengaluru, IN*

- Engineered an architecture for parallel processing for images utilizing load balancers, cutting the scenario processing time by 40%.
- Delivered 10+ innovative project ideas to stakeholders and allocated tasks to a 9-member team
- Reduced delivery times and boosted productivity by 30% with Agile methodologies and Scrum tools via JIRA and GitHub

Software Engineer — Jun 2020 – Feb 2023
Larsen & Toubro Infotech (Scania AB, Sweden) — *Bengaluru, IN*

- Managed 4 software development teams to create the ALTO System, which tracks client APIs and automates service consumption tabulation, saving more than 20 hours of manual work weekly.
- Led the development of the SAPS API Service, streamlining API/Subscription management for over 600 global customers, cutting support queries by 40%.

Software Developer Intern — May 2019 – Jul 2019
Caratlane India — *Chennai, IN*

- Used object-oriented programming to create a back end/ dashboard for prioritizing and monitoring tasks for 8+ development teams using AWS and Django reducing 100% manual work of sorting and responding to mails.
- Developed a CRM dashboard that enables monitoring and management of 100+ containers/images through both GUI and remote console, significantly improving access for non-coders by 50%.

Projects

Smart Farm Assistant | *C++, Arduino, Tensiometers, ISE Sensors*

- Developed a web dashboard for sprinkler control, optimizing irrigation for various soil/crop types, reducing inefficiencies by 30%, and improving crop yield by 75%.
- Implemented soil nutrient/pH tracking with ISE sensors, enhancing fertilizer use efficiency by 40% for farmers

Automated Parking System | *Python, Arduino, Ultrasonic Sensors, Infrared Camera*

- Created an Android/iOS app guiding traffic to empty parking spaces, reducing search time by 80%
- Built parking time tracking and fare calculator using infrared camera and TensorFlow, increasing accuracy by 20%
- Achieved a 94% success rate during the 10 day prototype implementation within the university.

Moodyz | *Python, Hadoop, Docker, Android Studio*

- • Directed an android application that detects user sentiments using Fisherface Face Classifier and python scripts achieving a 91.3% success rate.
- Refined a storage scaling solution with a nested Hadoop setup, boosting throughput to handle an additional 1,000 transactions per second.
- Deployed voice automation using google speech recognition and a self trained ML Model with over 43k training images.