Yash Mitesh Mehta

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EDUCATION

Syracuse University, Syracuse, New York **August 2024 - Present**
Master of Science | Computer and Information Sciences **(CGPA 3.56/4.0)**
Relevant Coursework: Artificial Intelligence, Principles of OS, Computer Architecture, Database Management Systems, Assured Programming and Formal Methods, Design Analysis and Algorithm

Mukesh Patel School of Technology Management and Engineering, Mumbai, India **July 2018 – May 2024**
Bachelor of Technology | Computer Engineering **(CGPA 3.53/4.0)**
Relevant Coursework: Software Engineering, Object Oriented Software Engineering, Natural Language Processing, Neural Network and Deep Learning, Machine Learning Optimisation Algorithm, Reinforcement Learning, Data Structures, Principles of Operating System, Design and Analysis of Algorithm, Artificial Intelligence, Cloud Computing, Data Mining

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C++, C, SQL, TypeScript, Kotlin, Swift
- **Technologies & Tools:** ReactJs, React Native, Node.js, FastAPI, Git, PHP, cPanel, REST API, NextJS, FlutterFlow, Flask, Slack, Firebase, Express.js, MongoDB
- **Data Visualization:** GSAP, Chart.js, D3.js, Tableau
- **Cloud & DevOps:** Advanced Excel, Power Automate, Postman, AWS (Basics)
- **ML Libraries:** TensorFlow, OpenCV, Pandas, NumPy, Scikit-learn, Matplotlib, NLTK, PyTorch, XGBoost
- **Certifications:** Microsoft Technology Associate (MTA) – Python Programming, Flipkart GRID 5.0 - Software Development Track, Microsoft Office Specialist: Microsoft Excel 2013

WORK EXPERIENCE

Playtoon it, inc., New York **May 2025 – Present**
Full-Stack Developer Intern

- Designed user interfaces using React.js, improving navigation flow and increasing user interaction time by 20%.
- Created and integrated RESTful APIs with Node.js and Express.js to support seamless frontend-backend communication.
- Structured complex MongoDB queries and schema models to support scalable data storage.
- Implemented secure server-side logic, reducing latency and improving backend reliability across services.
- Collaborated across teams to deliver maintainable and modular codebases, enabling 30% faster feature rollouts.

iConsult Collaborative, Syracuse, New York **March 2025 – Present**
Software Developer

- Led the end-to-end development of the Clique Sports App using FlutterFlow, integrating REST APIs for user authentication and data sync, achieving a 500+ weekly active user base within 2 months.
- Utilized Kotlin and Swift to extend native functionalities, ensuring high performance across Android and iOS platforms.
- Connected Firebase for real-time database synchronization, user session tracking, and secure data storage.
- Streamlined team collaboration by setting up communication workflows and update pipelines via Slack, increasing internal response time by 35%.
- Collaborated cross-functionally with UI/UX designers and stakeholders to deliver a secure, scalable mentorship platform with 99.9% uptime and seamless multi-device compatibility.

Openspace services PVT. LTD, Mumbai, India **May 2023 – November 2023**
Frontend Developer Intern

- Built CRUD APIs using Node.js and FastAPI, improving request handling efficiency by 30%.
- Implemented Convert-to-PDF functionality using Puppeteer and Node.js, reducing document generation time by 50%.
- Deployed real-time data visualization dashboards using Chart.js and D3.js, enhancing analytical insights by 25%.
- Annotated and prepared datasets for machine learning models using Label Studio, completing detailed labeling for nearly 1,000 pages to enhance model training efficiency.
- Spearheaded the development of responsive web and mobile applications focused on performance, resulting in a 40% increase in page load speed and a 25% reduction in user drop-off rates.

KEY PROJECTS

PEDEPROTECT

- Created an AI-driven platform (PedeProtect) using Python and JavaScript, to address pedestrian safety challenges, reducing potential hazards caused by damaged footpaths and manholes.
- Engineered machine learning solutions using Scikit-learn, achieving 74% accuracy in classifying manhole cover conditions (proper, cracked, broken) through feature extraction, selection, and model training.
- Built a deep learning pipeline with Vision Transformers (ViT) using TensorFlow, OpenCV, Pandas, NumPy, Scikit-learn, Matplotlib, PyTorch, and XGBoost, increasing accuracy to 92% for manhole cover classification and 97% for detecting pathway obstructions.
- Prepared a web-based platform using React.js, React Native, FastAPI, PHP, and MySQL to facilitate real-time reporting of footpath issues by pedestrians and efficient management by administrators.
- Integrated Chart.js to visualize incident trends and model performance.