

# SHUBH NARAYAN SHARMA

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## EDUCATION

Michigan State University (Honors College) - Bachelor of Science, Computer Science

GPA: 3.83

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## EXPERIENCE

**MSU Capstone - WK Kellogg Co – Software Engineering Consultant** August 2024 - December 2024

- Engineered the [Cereal Industry Analysis Tool](#) that utilizes Snowflake, Python, SQL, and Streamlit to deliver detailed financial analytics supporting strategic decision making in WK Kellogg Co.
- Processed and analyzed over 150+ financial documents spanning 5 years, ensuring accurate and comprehensive insights by customizing 6 Large Language Models to the client's specific requirements.

**CuraStone Corp – KnoWhiz App developer Intern** April 2024 - August 2024

- Developed the KnoWhiz learning with AI mobile app in a fast-paced startup environment.
- Utilized Flutter for cross platform development and Java for backend services, ensuring high performance and scalability.
- Integrated the app with AWS services for secure user login, authentication, and signup, ensuring robust account management and data protection.
- Collaborated with a cross functional team to prioritize features, conduct code reviews, and ensure high quality deliverables using Git for version control and project management.
- The app is projected to reach 1000+ users by Q1 2025, demonstrating its scalability and market potential.

**CoRe App Development Team** February 2022 - August 2023

- Managed and maintained a cross platform mobile application using Flutter and Firebase serving 400+ active users, enhancing the marketing and gamification of events within the CoRe experience.

**First Year Engineering CoRe Experience - CoRe Peer Leader** May 2022 – May 2025

- Mentored first-year engineering students, providing academic, technical and social support to ease 600+ freshmen's transition into college life while working in a team with other Peer Leaders.
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## PROJECTS

**Pointer Tracking using Image Processing (SpartaHack Project)**

- Utilized OpenCV for image processing to develop a 3D motion tracking system for an AprilTag, a visual marker used for pose estimation in robotics, with standard webcams or external cameras.

**Predicting the Change in the Price of Gold and Premier League Match Winners**

- Used PyTorch and TensorFlow to create different machine learning models like Recurrent Neural Networks, Logistic Regression to predict the daily change in the price of gold with an accuracy of 55%.
- Used RNNs and XGBoost with factors like Home Form to predict the matches with an accuracy of 60%.

**Food Delivery and Table Reservation System**

- Developed a comprehensive Food Delivery and Table Reservation System using Python and MySQL, incorporating restaurant ratings, driver assignment for delivery and restaurant reservation functionalities.
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## SKILLS

- Languages and Databases:** Python, C++, Java, C, Dart, SQL, MySQL, Firebase, MongoDB, Flutter
- Tools and Technologies:** Spyder, Linux, Windows, VS Code, Android Studio, Git/GitHub, MS Office, AWS, AWS Cognito, TensorFlow, PyTorch, Gradle