

SHREYASH MESHAM

Software Developer

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SUMMARY

Passionate about creating innovative technology solutions and possess proficiency in Python and machine learning. Eager to contribute to impactful projects and have experience in developing user-centric applications through collaborative teamwork in Agile environments having a solid foundation in software development and drives commitment to enhancing user experiences and promoting technological progress.

EXPERIENCE

Python Developer Intern | Arohi Softwares
Software development company focused on innovative solutions

- Constructed responsive user interfaces from provided UI/UX designs utilizing Python and Django, delivering a 95% satisfaction rate in user acceptance testing, and completing 100% of assigned tasks on time.
- Integrated REST APIs and managed relational databases to enhance application functionality and maintain data integrity.
- Executed full-stack development tasks with cross-functional teams, ensuring 100% on-time task delivery.
- Applied Agile practices to streamline workflows and align development efforts with client needs.

08/2024 - 02/2025

Software Developer Intern | NerdTech
Software development company focused on innovative solutions

- Developed and improved software solutions for clients with a focus on user-centric design and robust backend systems
- Collaborated closely with the development team under mentorship to enhance application functionality and performance
- Reduced runtime errors by 30% through rigorous debugging and testing of code modules.

03/2024 - 04/2024

Machine Learning with AI Using Python Trainee | Knowledge Solutions India
Educational institution providing workshops on advanced topics

- Collaborated in a team to develop a 'Heart Disease Predictor' project during the workshop.
- Deployed a machine learning pipeline using scikitlearn and Pandas in Python to forecast product demand, reducing inventory costs by 15% and optimizing supply chain operations.
- Gained practical insights into machine learning, model evaluation, and real-world deployment strategies.

12/2021 - 02/2022

EDUCATION

Master of Science in Business Analytics (MSc Business Analytics)
University Of Nottingham

Nottingham, UK
09/2025 - 09/2026

Bachelor of Engineering in Computer Engineering
Sandip Institute of Technology and Research Centre

Nashik, India
06/2022 - 06/2025

Diploma in Computer Engineering
Sandip Institute of Technology and Research Centre

Nashik, India
06/2019 - 06/2022

SKILLS

- Programming Languages – Python, Java, JavaScript, C, C++
- Web & Frameworks – Flask, Pandas, TensorFlow, Django, React, TailwindCSS
- Databases – PostgreSQL, MongoDB, MySQL, MariaDB
- DevOps & Tools – Docker, Git, CI/CD pipelines, Virtual Machines
- Cloud Platforms – AWS (Fundamentals), Google Cloud, Microsoft Azure
- Others – REST APIs, Unit Testing, Adobe Photoshop, Premiere Pro, After Effects, Figma

PROJECTS

Stock Market Analysis Platform
Full-stack web application for comprehensive stock market analysis using machine learning and sentiment models

- Developed a full-stack FastAPI, React, TypeScript application for real-time stock data visualization with integrated ML models (SVM, FinBERT) and technical indicators (RSI, MACD, SMA).
- Designed a modular architecture with RESTful APIs, responsive UI, and scalable data pipelines for predictive and sentiment-based market analysis.

Sign Language Recognition
Real-time gesture-to-speech converter for enhanced communication accessibility

- Deployed a machine learning model using MediaPipe and TensorFlow to recognize hand gestures with real-time feedback.
- Integrated gTTS (Google Text-to-Speech) for converting recognized signs into speech, promoting inclusive user interaction.

Black Spot Detection Using Android
Android-based road safety application for real-time accident-prone area detection and alerts

- Created an Android app using Java, Firebase, and Google Maps API to detect and alert users about nearby accident-prone zones in real time.
- Implemented the ECLAT algorithm for clustering historical accident data and developed SOS alert features for emergency notifications.

Achievements

- Published Paper 1 – Sign Language Recognition using Machine Learning: IJSDR2205094
- Published Paper 2 – Black Spot Detection Using Android App: 978_OAIJSE0545S2479_8899
- Published Paper 3 – Black Spot Detection using Android: IJASRET0855RV46
- AWS Knowledge – AWS Knowledge: Cloud Essentials (badges/af53b1a1-c92c-441f-94a4- 85459f19e021)