

Rohit Ramesh Shetty

Los Angeles, CA | (213) 245-8232 | rshetty@usc.edu | linkedin.com/in/shettyrohit0810 | rohitshetty.netlify.app/

Education

University of Southern California Jan 2025 – Dec 2026
Master of Science in Computer Science Los Angeles, CA

- **Relevant Coursework:** Web Technology, Artificial Intelligence, Analysis of Algorithms, Database

Ramrao Adik Institute of Technology Jul 2020 – Jul 2024
Bachelor of Technology in Computer Engineering, Minor in Data Science Navi Mumbai, India

- **Relevant Coursework:** Data Structures, Algorithms, OOP, Operating Systems, DBMS, Networks, Distributed Systems

Experience

Delphi Consultant Middle East Mumbai, India
Data Associate – AI & Data Aug 2024 – Dec 2024

- Developed an end-to-end Applicant Tracking System (ATS) using Python and SQL that parsed candidate resumes from SharePoint, automated assessment workflows, and improved shortlisting efficiency by 40%
- Engineered robust data pipelines for large-scale data ingestion and migration, enabling efficient processing and transformation of high-volume tabular datasets across systems
- Built an AI-powered chatbot with Azure OpenAI to interactively query and visualize structured Excel data, boosting business decision-making and reducing manual analysis time by 35%

BTB – Be The Bank Remote, India
Software Engineer Intern Jan 2024 – Jul 2024

- Architected and deployed a secure M-Pesa-integrated backend utilizing Python and REST APIs to support personal lending and microfinance transactions for BTB's Kenya expansion, enhancing financial inclusion in East Africa
- Spearheaded a team of 4 engineers in building transaction processing pipelines, incorporating webhooks for real-time updates and accurate logging, catalyzing seamless integration with existing frontend for Kenyan users
- Collaborated with stakeholders from Israel's top P2P lending platform to design a scalable loan origination system leveraging the M-Pesa sandbox

Spay India Navi Mumbai, India
Software Engineer Intern Jan 2023 – Apr 2023

- Led the redevelopment of Spay India's B2B payment platform by designing modern frontend interfaces using React and integrating UPI-based payment options to enhance user accessibility
- Collaborated with senior engineers to refactor 10,000+ lines of legacy code, revamping load times by 40% and delivering a responsive, scalable, and mobile-friendly web application for 5+ fintech clients
- Tested and integrated UI components end-to-end, driving cross-browser compatibility and seamless backend integration

Projects

Art Explorer – Full-Stack Web & Android App | *Angular, Kotlin, Node.js, REST, GCP* Jan 2025 – May 2025

- Designed and launched a full-stack Angular and Android app powered by a RESTful backend to explore artists/artworks from the Artsy API, with JWT auth and responsive UI
- Constructed scalable RESTful backend with Node.js and Express, hosted on Google Cloud, serving Angular frontend and Android client via shared APIs and secure authentication
- Implemented responsive UI using Angular and Jetpack Compose on respective platforms; integrated image loading (Coil), persistent login (CookieJar), and real-time UI updates

Stroke Risk Prediction System | *Python, Deep Neural Networks, Machine Learning, Matplotlib* Jan 2023 – Jul 2023

- Built a Deep Neural Network (DNN) model leveraging ReLU and Sigmoid activations to predict stroke risk with 92.57% test accuracy and 98.2% training accuracy, boosting healthcare decision-making
- Resolved class imbalance with SMOTE oversampling and applied advanced feature selection to improve recall by 97%, ensuring robustness on imbalanced medical datasets
- Automated data preprocessing pipelines using Pandas and NumPy, and visualized feature importance and predictions with Matplotlib, facilitating data-driven insights for clinicians

Technical Skills

Languages: Python, Java, Kotlin, JavaScript, TypeScript, SQL, HTML/CSS, Bash, C++, C#, Go

Frameworks & Libraries: React, Next.js, Angular, Node.js, Flask, Express, Jetpack Compose, Pandas, NumPy, Matplotlib

Databases: MySQL, MongoDB, Firebase, PostgreSQL

Cloud Platforms: Google Cloud Platform (App Engine, Firestore), AWS (EC2, S3, Lambda, DynamoDB), Azure (Databricks)

Tools & DevOps: Git, GitHub, Docker, Postman, Jupyter, Power BI, VS Code, CI/CD (GitHub Actions), Linux

Technologies: Hadoop, REST APIs, JWT Auth, Webhooks, SMOTE, Responsive Design, Agile/Scrum, JSON, YAML

Certifications: AWS Certified Solutions Architect– Associate, Oracle Generative AI Certified, Multimodal RAG (DeepLearning.AI)

Honors

- IEEE Best Technical Presentation (500+ audience) for Stroke Risk Prediction, showcasing communication skills
- Government of India copyrights granted for Stroke Risk Prediction and Melody Generation projects
- Treasurer & PR Officer, SOW DY Patil: led 15+ events, fostering leadership and collaboration