

# Rohit Ramesh Shetty

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

## Education

**University of Southern California**  
*Master of Science in Computer Science*

Jan 2025 – Dec 2026  
*Los Angeles, CA*

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

**Ramrao Adik Institute of Technology**

*Bachelor of Technology in Computer Engineering, Minor in Data Science*

Jul 2020 – Jul 2024

*Navi Mumbai, India*

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

## Experience

**Delphi Consultant Middle East**  
*Data Associate – AI & Data*

*Mumbai, India*  
Aug 2024 – Dec 2024

- Developed an end-to-end Applicant Tracking System (ATS) using Python and SQL that parsed candidate resumes from Share-Point, 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**

*Software Engineer Intern*

*Remote, India*  
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**

*Software Engineer Intern*

*Navi Mumbai, India*  
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