Nikhil Vinod

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EDUCATION

Santa Clara University   *Expected: Jun 2027*
Bachelor's Degree in Computer Science, Minor in Mathematics
- **Relevant Coursework:** Theory of Algorithms, Introduction to Data Mining, Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Computer Networks, Discrete Mathematics, Probability and Statistics, Linear Algebra, Calculus IV
- **Activities and Societies:** Association of Computing Machinery, Theta Tau (Professional Engineering Fraternity), Intandesh(South Asian Club), AI Collaborate

TECHNICAL SKILLS

- **Languages/Frameworks:** Java, Python, C++, C, HTML, JavaScript, CSS, Flutter, React.js, Node.js, Tailwind CSS, Flask
- **Technologies/Tools:** Git, Github, CI/CD, AWS(Lambda, API Gateway, S3), Google Cloud, Firebase, Postman, SQL, Figma

EXPERIENCE

Way.com (*Software Engineering Intern Consultant*)   *Jun 2025 – Sep 2025*
- Developed mobile app with React Native and TypeScript to perform a 360° vehicle inspection and perform a damage cost assessment
- Implemented real time audio/video capture using WebRTC and integrated Gen AI models for guidance and analysis

JIFFY.ai (*Software Engineering Intern Consultant: Full-Stack Developer*)   *Jun 2024 – Sep 2024*
- Developed the end-to-end investment account opening journey for the Finley mobile app using Flutter, supporting multiple account types (Individual, Joint, IRA, and Education)
- Integrated various third party tools: Plaid for data aggregation, Google Places API for address autocomplete functionality, and Twilio for phone verification
- Deployed AWS Lambda functions for serverless microservices and back-end API integration
- Utilized Agile methodology and followed full SDLC phases throughout development over bi-weekly sprints

Bhailog (*UI/UX Designer*)   *May 2023 - Aug 2024*
- Led end-to-end UX design for the official Bhailog app, conducting user research, defining user flows, and delivering production-ready designs
- Created wireframes, prototypes, and high-fidelity UI designs using Figma and Miro for seamless developer handoff

JIFFY.ai (*Software Engineering Intern*)   *Jun 2023 – Aug 2023*
- Implemented automated user manual generation by leveraging JIFFY.ai API's and Gen AI models for dynamic documentation
- Developed reusable front-end React components for deployment on the JIFFY.ai platform, enhancing widget integration for client applications

PROJECTS

Haggle (1st Place Winner @ xAI Hackathon) | *Grok, Fast API, Next.js, React, PostgreSQL, Supabase, Websockets, TypeScript*
- Developed an autonomous voice negotiation AI agent using Grok LLM to gather user information, Grok Search to find local service providers, Twilio and Grok Realtime Voice API for real-time phone negotiations, and Next.js for a dashboard displaying negotiation outcomes
- Won 1st place out of 350+ participants, earning a trip to a SpaceX launch and 500K+ views on the project demo

F1 Race Prediction Model | *TensorFlow, Pandas, NumPy, scikit-learn*
- Developed machine learning pipeline to predict Formula 1 podium finishes using driver and race data via FastF1 API
- Implemented different predictive models(XGBoost, Neural Network, LightGBM, Catboost) and an ensemble of top performing models using efficient preprocessing and feature engineering strategies
- Achieved 1.776 test MAE and 1.96 MAE across 10 folds

LEADERSHIP

Association for Computing Machinery (ACM)
Industry Liaison   *Apr 2024 - Apr 2025*
- Led the effort to secure $25,000+ in sponsorships for Santa Clara University's largest hackathon, Hack for Humanity
- Met with various companies to find partners for ACM events, including hackathons, speakers, workshops

Santa Clara University
Resident Assistant   *Sep 2024 - Jun 2025*