NIKITA KATARI

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EDUCATION

Purdue University Indiana, USA

Master of Science – Computer Science Aug 2022 – Dec 2023

- **Courses:** Software Project Management, Web Development, Data Analytics, Operating system, Design and Analysis of Algorithms.

Visvesvaraya Technological University Bengaluru, India

Bachelor of Engineering – Computer Science and Engineering (GPA: 8.35/10) Aug 2017 – May 2021

- **Courses:** Machine Learning, Artificial Intelligence, Database Management System, Computer Organization and Architecture.

SKILLS

- **Programming Languages:** C, Python, JavaScript, Swift**,** R.
- **Database:** MySQL, MongoDB
- **Tools, Technology and Frameworks:** AWS, Docker, REST API's, Flask, Django, NumPy, SciPy, Pandas, Word2Vec, PyTorch, TensorFlow, Confluence, Jira, Trello, Kanban, GitHub, CI/CD.

EXPERIENCE

Mobile Engineer 1 – iOS | CRED, Bangalore India Mar 2022 – Jul 2022

- Pioneered and directed the engineering of server-to-server payment SDK (S2S) and its integration with the existing payment module across all verticals and its migration on AWS, which yielded in 64% cost reduction of Third-party platform direction fee on iOS.
- Collaborated with National Payments Corporation of India on Unified Payment Interface across utility bill payments, building a separate horizontal space for the same that contributed bout 11% of the direct revenue.
- Spearheaded the Reserve Bank of India mandate of Card-On-File Tokenization, user-consent of saving cards, which scaled over 1.2M transactions and tokenizing 45% of user's cards. CRED pay integration with merchants, along with in-built Native OTP.

Mobile Engineer – iOS | CRED, Bangalore India Aug 2021 – Mar 2022

- Conceived and accomplished payment and checkout-based offers, including experiment capability with intercepts to accommodate third-pay merchants, with a cross-functional effort of Finance Operations and Marketing Team.
- Introduction of Device based card storage on iOS, making it easy for users to access saved cards, which helped maintain the app rating at 4.89 consistently, with a 3% decrease in P0 issues.
- Bought about tokenization of American Express and Diners, along with RBI mandate. Brainstormed and achieved ideas on the prevention of UPI fraud that bought it down by 95%.
- Coordinated the plan for bi-weekly app release for iOS platform, established daily internal team sync up for better visibility and bias for action when needed accelerating large tasks by up to 2 days.

Mobile Engineer Intern – iOS | CRED, Bangalore India Mar 2021 – Aug 2021

- Contributed to develop CRED Wallet. Users were able to retain their cash back and other victories inside the app as a result, which helped to hold 12% of the cash burn and boost the store's revenue by 5.3%.
- Delegated the Results-Not-Available flows considering increasing user onboarding when credit scores are not found on CRIF and Experian (RNF); this led to the increase in user base by 8%.

Operations Team Lead Intern | Amazon, Bangalore India Aug 2020-Nov 2020

- Analyzed and improved operational metrics such as First-day delivery success, routing and cost optimization per package.
- Individually administered the Delivery Associate scorecard, scaling the score by 120%, making it the highest in the territory for 10 weeks.

Course Developer and Support | IEEE, Bangalore India Apr 2020- Jul 2020

- Learning Management System for Computer Network course, involved carrying out associated experiments and creation of A1 level assessments. With a dashboard built for tracking the students' performance and progress in the course.

Research Intern | Indian Institute of Technology, Delhi India Oct 2019 – Jan 2020

- Research approaches, procedures, and tests for the Indian economy's use of digital twin technology were planned, developed, and carried out.
- Delivered a predictive approach to its application parameters, caused an expedite in the term's project master plan.

ACADEMIC PROJECTS

Greeny – Python (Django), SQLite

- Online sales platform for local vendors. In-portal auctions allow merchants to sell them to other vendors or to customers within a specific geographic area. All transactional values were stored in SQL, using Python to select options and Django as the framework.

Connect X – Python (Django), SQLite, Regex, Word2Vec

- Fills the gap between students and industry standard-issue statements where keywords are matched using word2vec and Regex. Peers and students can respond to the host's issue statement. A keyword-filtering algorithm provides a solution to the host.

Detection of Pulse rate (Non-Contact Method)- OpenCV, EVM

- With the help of OpenCV, detection of pulse rate using a non-contact method, extraction of real-time video from the web camera with spatial-temporal filtering by eulerian video magnification (EVM).

Unified Attendance Method- Python (Flask), MySQL

- Comprehensive website built with Flask, students can monitor their attendance, forecast end-of-term grades and attendance for the courses chosen, as well as receive reminders from the relevant faculty for classes, assignments, and books borrowed.

AWARDS, ACHIEVEMENTS, EXTRA-CURRICULAR ACTIVITIES, LEADERSHIP ROLES

- University Rank – Computer Organization (17CS156).
- Highest performing Intern at Amazon Prime day peak 2020.
- Student Head – Institution's Innovation Council and Organizing Committee for Sentinel Hack, State Level Hackathon.