

SWAPNEEL PARANJPE

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EDUCATION

Master of Science in Computer Science

Expected May 2025

Arizona State University (ASU), Tempe, Arizona, USA

GPA 4.00

Relevant Coursework: Cloud Computing, Mobile Computing, Data Visualization, Statistical Machine Learning

Bachelor of Technology in Electronics Engineering

May 2021

Veermata Jijabai Technological Institute (VJTI), Mumbai, Maharashtra, India

GPA 3.42

Relevant Coursework: Computer Programming, DBMS, E-Security, Neural Networks, Blockchain Technologies

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, JavaScript, Kotlin, C++, Dart, Django, Flask, SQL, HTML, CSS, Bootstrap, D3.js

Technologies: AWS (EC2, Lambda, SQS, S3), Android Development, Web Development, Deep Learning, Flutter, Git

Certifications: Java Data Structures and Algorithms Masterclass, Web Designing Specialization, Python Specialization, Machine Learning A-Z, Deep Learning Specialization

PROFESSIONAL EXPERIENCE

Fiserv | Technology Analyst – RPA Developer

Jul 2021 – Jun 2023

- Developed and deployed RPA solutions using Blue Prism and Nintex to automate manual, repetitive tasks, resulting in an 80% improvement in operational efficiency and a 40% reduction in costs
- Spearheaded 11 projects, automating processes such as Loan Onboarding, KYC Verification, and Report Generation
- Designed Blue Prism bot flow templates and reusable components, increasing development efficiency by 20%
- Monitored RPA bots in production, addressing any issues promptly to reduce downtime and optimize productivity
- Drafted detailed documentation for automation solutions, including process designs and technical specifications
- Conducted Customer Feedback and Sentiment Analysis with Natural Language Processing in Python
- Achieved Fiserv's Trailblazer Award for outstanding performance and innovation

AIRPIX Geanalytics | AI & ML Research Intern

Jun 2020 – Sep 2020

- Created real-time vehicle counter and classifier through custom-trained Deep Learning models for Indian vehicles
- Collaborated on vehicle speed violation detection and generated statistical insights from collected data

PROJECTS

Cloud-based Facial Recognition System on AWS

Mar 2024 – Apr 2024

- Designed a scalable cloud architecture on AWS using Lambda, EC2, SQS, and S3 to deploy a facial recognition system
- Employed AWS Lambda to automatically trigger the splitting of videos into frames upon their upload to S3 bucket
- Devised a custom autoscaling algorithm for EC2 app tiers to dynamically adjust resources based on incoming traffic
- Utilized SQS for message queuing, enabling seamless asynchronous communication between EC2 web and app tiers

SpyDark – Surface and Dark Web Crawler

Jun 2020 – May 2021

- Programmed a hybrid crawler for accessing surface web and dark web to detect potentially illegal activities and implemented the framework on a web application using Django
- Enhanced model accuracy by 20% through Computer Vision and Natural Language Processing techniques
- Engineered a comprehensive dashboard for statistical analysis and data visualization of crawled results
- Authored and published a paper on this topic in IEEE Xplore in July 2021

Espy – Task Manager Android App

Feb 2021 – Apr 2021

- Developed an Android app in Kotlin for task management, featuring CRUD capabilities and reminder notifications
- Implemented task customization with repeating tasks, focused timers, and schedule sharing
- Facilitated seamless login with Firebase Authentication and securely managed user task data using Cloud Firestore

EXTRACURRICULAR ACTIVITIES

- Secured first position in a hackathon themed on Machine Learning at Fiserv by developing a predictive analytics algorithm to segment customers and apply product bundling
- Organized and managed 30+ inter-departmental performing arts competitions with 800+ participants as Event Coordinator for the cultural festival 'Pratibimb' at VJTI in 2019
- Headed the Electronics department for the cultural festival 'Pratibimb' at VJTI in 2018, guiding a 200-member team for intra-college competitions