




# DIVJEET SINGH JAS


Davis, California

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## EDUCATION

**University of California, Davis**

Sept 2021 - Exp. May 2023

M.Sc in Computer Science

CGPA - 4.0/4.0

Coursework: Distributed Data Systems, Software Engineering, AI for Visualizing Data, Algorithms

Graduate Research Assistant @Expolab, working on [ResilientDB](#)

**Delhi Technological University, India**

Aug 2016 - May 2020

B.Tech in Information Technology

CGPA - 8.2/10

## SKILLS

<b>Cloud</b>	: AWS, Heroku, Netlify, GCP
<b>Programming Languages</b>	: JavaScript, Python, HTML/CSS, Typescript, C/C++, Java, Bash, Unix
<b>Frameworks &amp; Tools</b>	: React.js, Node.js, Vue.js, Flask, Pytorch, FastAPI, Git, Docker, Github Actions, Figma
<b>Database</b>	: MySQL, MongoDB, Postgresql, DynamoDB

## WORK EXPERIENCE

**Coupa Software Inc**

San Mateo, CA, USA

Software Engineering Intern

Jun 2022 - Sept 2022

**Technologies: React, Ruby on Rails**

- Working with the Invoicing Team.

**Mushin Innovation Labs Pvt. Ltd. (Early-stage Startup)**

Delhi, India

Core Team Member & Senior Software Engineer

Jun 2020 - Sept 2021

**Technologies: Python, React, Node, Flask, MySQL, MongoDB, AWS, OOP, REST API, IoT, Serial MODBUS, MQTT, PWA, UI/UX.**

- Released 3 automation projects into production within 6 months of joining, contributing to ~25% of the company's annual turnover.
- Led the R&D team to create a novel IoT software that improved worker efficiency by ~10% by enabling remote monitoring & management of manufacturing units across Delhi NCR.
- Designed and deployed an innovative smart-elevator solution for multiple residential societies in Delhi NCR, which monitors the system health and generates safety alerts for elevator users based on historic & real-time data analytics.
- Developed an industry compliant quality management software for automobile manufacturers, which brought down the audit cycle time to a day from ~1.5 months. It permitted paperless audits & saved ~\$3000 per month in overhead costs.
- Managed a team of 6 full-stack & cloud engineers.

**Delhi Technological University**

Delhi, India

Research Intern

Jun 2019 - July 2019

**Technologies: Python, Android Malware, Static Analysis, Machine Learning, Deep learning, Pytorch, NumPy, pandas.**

- Performed static analysis of the Drebin dataset containing 5,560 applications from 179 different malware families to
- extract security-sensitive features using the Androguard API for python.
- Classification of malicious applications with up to ~96% accuracy using ML models like KNN, SVM, Random Forest & Logistic Regression.
- Published an [academic paper](#) in Procedia Science Direct journal, under ICITETM 2020.

## PROJECTS

**NFT Marketplace** | Full-stack / Blockchain

[Code](#) [Link](#)

A decentralized NFT marketplace and minting platform focused to connect the creators to buyers, created using React.js, TailwindCSS, RabbitMQ, Pinata, Express.js on ResilientDB.

**CoWIN Notify** | Full-stack

[Code](#) [Link](#)

Web application built using MERN stack to notify registered users of available vaccine slots in real-time.

Helping 1000+ users across 25+ states in India

**AndroCOP** | Machine learning / Research

[Paper](#)

A lightweight and robust web application created using Python/Pytorch that detects the presence of malware in an APK file with up to ~96% accuracy using novel static analysis based on ML models

**COVID19 Dashboard** | Frontend

[Code](#) [Link](#)

Dashboard developed using React.js, Chart.js, and COVID Time-Series API (Pomber) that shows the dynamics of the spread of coronavirus distribution per country