

Mayank Prakash Sharma

(562)735-7929 | mayankpsharma96@gmail.com · [LinkedIn](#) · [GitHub](#) · [Portfolio](#)

EDUCATION

CALIFORNIA STATE UNIVERSITY – DOMINGUEZ HILLS

Master of Science in computer science
Cumulative GPA: 3.5/4.0

Aug 2022 – May 2024

NAVRACHANA UNIVERSITY

Bachelor of technology in Computer Science

Jun 2018 – Dec 2021

TOOLS AND TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Kotlin, Node.js, C++, C#

Frameworks: Node.js, React.js, NPM, RESTful APIs

User Experience & Design: User-Centered Design, Wireframing, Prototyping

Automation & DevOps: Jenkins, Docker, CI/CD Pipelines, DevOps Practices

Testing & QA: Unit Testing, Automated Testing, Integration Testing, Performance Testing

Cloud Platforms: AWS, GCP

Web Services & Integration: Third-Party Web Services, API Integration

Development Methodologies: Agile (SCRUM), Solution Delivery Process, Collaboration with Stakeholders

Other: Full-Stack Development, Solution Design, Risk Management, Technical Strategy Development, Analytical Thinking

WORK EXPERIENCE

SPOONIFIED

Dallas, TX

Software Developer Intern

Dec 2023 – Feb 2024

- Engineered a **full-stack mobile application** in **Flutter** and **Kotlin**, managing the entire **SDLC** (design, development, testing, and deployment), **reducing time-to-market by 20%**.
- Collaborated with cross-functional teams, gathering requirements from **50+ stakeholders**, and designed user interfaces to enhance customer **experience by 30%**.
- Developed and integrated **RESTful APIs** and third-party libraries into the **Node.js** backend, improving system performance and enabling real-time data handling with **Firestore**.

CALIFORNIA STATE UNIVERSITY – DOMINGUEZ HILLS

Carson, CA

Software Developer Intern

Nov 2022 – Jan 2024

- Developed and maintained consumer-facing websites and mobile applications for **13k+ users**, utilizing **Java**, **JavaScript**, and **Node.js** to improve **user experience** and accessibility.
- Designed and implemented a **web scraping** tool in **Java** to automate data collection for **250+ school clubs**, increasing **data accuracy by 20%**.
- Led cross-functional collaboration efforts to integrate third-party services and ensure system scalability, **reducing downtime by 15%** through proactive maintenance.

ACADEMIC PROJECTS

LENDMATE - LOAN MANAGEMENT SYSTEM (Flutter, Firebase, GCP, JavaScript, Node.js) <https://lendmate.club/>

2024

- Developed a full-stack loan management system with **Node.js** and **Firestore**, handling real-time financial data while ensuring scalability with **Google Cloud**.
- Built **RESTful APIs** for notifications and automated late fee management via **Google Cloud Functions** and **Nodemailer**.
- Collaborated with cross-functional teams to optimize the payment workflow, **improving efficiency by 20%** through backend enhancements in **Node.js** and **Firestore**.

PREDICTING COVID-19 TRENDS AND MUTATIONS USING LSTM NETWORKS (Biopython, TensorFlow, Pytorch)

2024

- Uncovered new genetic variants and analyzed public health implications using a dataset of **9,948 full SARS-CoV-2 sequences**.
- Created an **LSTM neural network** model to investigate the link between viral alterations and epidemiological outcomes, **analyzing 1,000+ data samples in collaboration with Cedars-Sinai**, USA's largest hospitals.

CELEBRAISONS – REWARDS MANAGEMENT WEB APP (MongoDB, React, Node.js) <https://celebraison.aisubjective.com>

2024

- Designed and developed a cross-functional rewards management web app using the **MERN** stack (**MongoDB**, **Express.js**, **React.js**, **Node.js**) with **Firestore authentication** for secure user management.
- Implemented **CI/CD pipelines** and deployed the solution using **AWS Elastic** and **Amplify** for scalability and reliable performance.
- Built **RESTful APIs** to manage rewards data, integrating third-party services and ensuring a seamless user experience.

MAGIC MIRROR – IOT BASED MIRROR (Raspberry Pi, Node.js)

2019 - 2020

- Engineered a smart mirror (**open source**) displaying time, date, weather, news, RSS feeds, maps, and other details using a two-way mirror panel, display monitor, **Raspberry Pi**, and desktop application, reaching **500+ users**.
- Implemented **Raspberry Pi** and **NodeJS**, exploring **open-source projects**, and advancing technical skills.