

Kevin Shiroya

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SUMMARY

Graduate student in **Computer Science** at **California State University Sacramento** with a strong background in **AI**, **app development**, and **project management**. Passionate about leveraging technology to solve **real-world problems**, and eager to contribute to **innovative solutions** in **Software Development** and **AI-driven applications** in the future.

WORK EXPERIENCE

MERN Stack Developer Intern, NSDBytes

Oct 2023 – Aug 2024

Full-Stack Web Development and Cloud Deployment

- Built a secure **task tracking system** with **JWT authentication**, **bcrypt encryption**, and a dynamic **Kanban board** using **React.js**, **React DnD**, and modular component architecture.
- Optimized backend APIs by implementing **MongoDB indexing**, **aggregation pipelines**, and efficient **Mongoose schema design** to reduce query latency and improve database performance.
- Configured CI/CD pipelines and deployed the application using **Docker**, **Nginx**, and **cloud platforms** (e.g., AWS/GCP), ensuring scalability and high availability.

Java Web Developer Intern, Techglobe Solution, India

Jan 2024 – Apr 2024

Appointment Management System Development

- Developed an appointment management system using **Java Servlets**, **MySQL**, and **HTML/CSS**, improving appointment scheduling efficiency by 25%.
- Implemented CRUD operations and user authentication, enhancing system security and data integrity.
- Optimized system performance by incorporating data indexing and query optimization techniques, reducing response time by 20%.

PROJECTS

AI for Overall Survival Prediction of Brain Tumor Patients

Spring 2024

- Conducted **feature importance analysis** to identify key clinical factors, supporting healthcare professionals.
- Utilized **Graph Neural Networks (GNN)** and **Random Forest Regression (RFR)** to predict survival rates of brain tumor patients from the BraTS 2020 dataset consisting of 1270+ important features with 118 samples.
- Achieved model performance of **GNN: 97.4% accuracy** (Rho: 0.983) and **RFR: 53.8% accuracy** (Rho: 0.754).

CliNe - Clickbait News Detector

Spring 2023

- Developed a **Chrome extension** that leverages NLP and deep learning to classify news headlines using LSTM.
- Trained model on **32,000+ news headlines**, improving classification accuracy and misinformation detection.
- Achieved **97.2% accuracy** in real-time classification, providing users experience for identifying misleading news.

Full-Stack Web Applications (Netflix, Facebook, Airbnb)

Spring 2023

- Built **full-stack web applications** using **React.js**, **Firebase**, and **MERN Stack** with real-time user interactions.
- Implemented **secure authentication** and **RESTful APIs**, enabling seamless user login and data handling.
- Designed a **scalable MongoDB database** for dynamic content storage, transactions, and user management.

EDUCATION

Master of Science in Computer Science

August 2024 - May 2026

California State University Sacramento, USA

GPA: 3.4/4.00

B.Tech Information and Communication Technology

September 2020 - June 2024

Adani University, India

GPA: 7.77/10.0

SKILLS

Programming Languages: Python, Java, mySQL, HTML5, CSS, Javascript, Assembly Language, Kotlin

Data Science & Machine Learning: Pandas, NumPy, TensorFlow, PyTorch, Matplotlib, TensorFlow, PyTorch

Databases & Data Visualization: mySQL, PostgreSQL, MongoDB, Tableau, Power BI

Tools & Technologies: Jupyter Notebooks, Google Colab, Git/GitHub, Docker, CST Software, Agile Methodologies

Cloud & Big Data: AWS, Google Cloud Platform (GCP)

Communication: Effective communication, team leadership, mentoring, conflict resolution, presentation skills.

Problem-Solving & Entrepreneurship: Technical problem-solving and understanding of incubation processes