

Kevin Shiroya

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SUMMARY

Full-Stack Web Developer with robust experience in Python and cloud technologies, including AWS and GCP. Developed secure applications and optimized backend APIs for scalable performance. Eager to apply expertise in building data pipelines, microservices, and CI/CD processes to innovative generative AI projects while quickly adapting to new tools like TypeScript and React.

EDUCATION

California State University Sacramento, USA

Master's, Computer Science

- **GPA:** 3.55/4.00

Aug 2024 - Dec 2026

CA, USA

Adani University, India

Bachelor's, Information and Communication Technology

- **GPA:** 7.77/10.0

Sep 2020 - Jun 2024

India

WORK EXPERIENCE

NSDBytes

Full-Stack Web Development and Cloud Deployment Intern

- Designed and shipped a Kanban-style task tracker using React.js, React DnD, JWT-based authentication, bcrypt password hashing, and role-based access control; modularized UI into reusable components, cutting duplicate code by 35% and improving first-load TTI by 28%
- Improved API performance by adding compound MongoDB indexes, converting endpoints to cursor-based pagination, and using aggregation pipelines; reduced P95 latency from 800 ms to 250 ms and lowered DB CPU usage by 30%
- Developed CI/CD pipelines using GitHub Actions, Docker multi-stage builds, and Nginx reverse proxy/caching in a Linux command line environment; implemented blue-green releases on AWS/GCP to achieve zero-downtime deploys and reduce deploy time from 15 min to 3 min

Oct 2023 - Aug 2024

India

Techglobe Solution

Java Web Developer Intern

- 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%

Jan 2023 - Apr 2023

India

PROJECTS

AI for Overall Survival Prediction of Brain Tumor Patients

- 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).

Mar 2024 - Jun 2024

CLiNe - Clickbait News Detector

- 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.

Mar 2023 - Jun 2023

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

- 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.

Mar 2023 - Jun 2023

SKILLS

- **Programming Languages:** Python, Java, mySQL, HTML5, CSS, Javascript, Assembly Language
- **Data Science & Machine Learning:** Pandas, NumPy, TensorFlow, PyTorch, Matplotlib, Generative AI
- **Databases:** mySQL, PostgreSQL, MongoDB
- **Tools & Technologies:** Jupyter Notebooks, Google Colab, Git/GitHub, Docker, CST Software, Agile Methodologies, Linux Command Line, React, Infrastructure As Code
- **Cloud & Big Data:** AWS, Google Cloud Platform (GCP)
- **Communication:** Effective communication, team leadership, mentoring, conflict resolution, presentation skills
- **Problem-Solving & Entrepreneurship:** Technical problem-solving, understanding of incubation processes