

# Shlok Kakade

Computer Engineering Student — Data Engineer — Full-Stack Developer

+919823278277 | [shlokkakade@gmail.com](mailto:shlokkakade@gmail.com) | [linkedin.com/in/shlokkakade](https://linkedin.com/in/shlokkakade) | [github.com/shlokkakade](https://github.com/shlokkakade)

## SUMMARY

---

Computer Engineering student focused on **data engineering, full-stack development, and AI-enabled products**. Experienced in building **ETL pipelines, SQL-backed analytics systems, cloud workflows**, and production-ready web applications using **Python, SQL, AWS, React, Django, and Node.js**. Strong foundation in automation, databases, APIs, and data visualization with a practical problem-solving approach.

## EXPERIENCE

---

### Data Engineer Intern

Jan 2026 – Jun 2026

Zenon Systems

Bengaluru, Karnataka

- Built scalable ETL pipelines using Python and Apache Spark, reducing data processing time by **27%** and enabling real-time analytics for **10TB** of daily user data
- Migrated legacy data systems to AWS cloud infrastructure (S3, EC2, Glue), reducing infrastructure costs by **20%**
- Automated data validation processes using Python scripts, saving **15+ hours** per week of manual QA work and collaborated with data science teams to deliver **10+** analytics projects impacting **\$2M+** in revenue
- Developed internal reporting tools improving team productivity by **40%** and presented pipeline performance metrics to senior leadership in weekly reviews, influencing strategic decisions

## SKILLS

---

**Languages & Tools:** Python, SQL, Java, C/C++, Git, Docker, AWS (S3, EC2, Lambda, Glue, SageMaker)

**Data Engineering:** Apache Spark, PySpark, ETL/ELT Pipelines, MySQL, PostgreSQL, MongoDB, Snowflake

**Data Analytics & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Excel (Pivot Tables, Dashboards)

**Soft Skills:** Analytical Thinking, Problem Solving, Cross-functional Collaboration, Data Storytelling, Attention to Detail, Time Management

## PROJECTS

---

### AI Code Review Assistant | React, Django, OpenAI API, GitHub API, PostgreSQL

- Built a web app that accepts a GitHub PR URL, fetches the diff via GitHub API, sends it to GPT-4o with a structured prompt, and returns inline code review comments rendered in a React UI
- Implemented a feedback loop where users rate suggestions to fine-tune the prompt, improving review quality over time
- Integrated LLMs into a real product demonstrating practical AI integration beyond API calls in notebooks

### Diabetic Retinopathy Detection using EfficientNet-B3 | PyTorch, AWS SageMaker, Python

- Built a 5-stage Diabetic Retinopathy classifier using EfficientNet-B3 with ImageNet transfer learning, fine-tuned on 70,000+ fundus images from public datasets, achieving 90% model accuracy.
- Trained and deployed on AWS SageMaker with cloud-scale GPU infrastructure.

### Visitor Pass Management System | MongoDB, Express.js, React.js, Node.js

- Developed a full-stack digital visitor management system using the MERN stack, eliminating manual entry registers and improving check-in efficiency by over 40%
- Implemented secure authentication and role-based authorization using JWT and designed QR-code based visitor passes with downloadable PDF badges
- Built pre-registration and appointment scheduling features reducing front-desk workload by 30%

### Real-Time Collaborative Document Editor | React.js, Django, Django Channels, WebSockets, MySQL

- Developed a real-time collaborative document editor using Django Channels to support simultaneous multi-user editing
- Implemented automated testing using Selenium, reducing regression bugs by 30% and built an asynchronous Django backend to manage document sessions and event broadcasting

## EDUCATION

---

Shah and Anchor Kutchhi Engineering College

Mumbai, Maharashtra

B.Tech in Computer Engineering | CGPA: 7.00/10 | Honours in Cybersecurity

2023 – 2027