

# Kavin Srinivasan

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## EDUCATION

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**B.Tech in Computer Science Engineering**, PES University 2023 – 2027

## COURSES & EVENTS

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- HackNight 6.0** — Placed 5<sup>th</sup> out of 70+ teams  
Reverse-hackathon focused on working with unfamiliar, buggy codebases. Tasks involved debugging, adding features, and improving system design under time constraints.
- Ideathon 2.0** — Top 10 Finalist  
Pitched a concept for smart glasses designed to assist visually impaired users with navigation. Developed a mock design and presented the solution to a panel of judges.

## PROJECTS

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- CC-Fraud Detection**  
Built a machine learning pipeline using XGBoost and Scikit-learn to detect fraudulent credit card transactions. Focused on feature engineering, model tuning, and evaluation with precision/recall metrics.
- Cachier**  
Designed a custom in-memory caching system using Golang and Redis to accelerate backend data access. Supports basic key-value operations with TTL and eviction strategies.
- Portfolio Site**  
Developing a personal portfolio using Next.js and React. Emphasizes clean UI, mobile responsiveness, and performance optimization via static generation and incremental revalidation.

## SKILLS

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Languages	Python, Node.js, Go, Bash
Backend	Express, FastAPI, Gin
Databases	Postgres, Redis, MongoDB, SQLite
Data Science	XGBoost
Tools	Git, Docker, GNU/Linux