

Keshav Saraogi

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EDUCATION TEMPLE UNIVERSITY

B.S in Computer Science

PHILADELPHIA, PA

Jan'18 -Dec'22

Courses : Operating System, Mobile Application, Web Development, Data Structures, Algorithms

TECHNICAL SKILLS

Languages: Java, Python, C, HTML/CSS/JS, MySQL, MongoDB, Kotlin.

Frameworks: NodeJS, SpringBoot, TensorFlow, AWS, Postman, Heroku, Android Development Kit.

Technologies: MicroPython API, Restful Web Services, Git, Github, Hibernate, Digital Ocean, NGINX.

UNDERGRADUATE TEACHING ASSISTANT *Computer Programming in C* **PHILADELPHIA, PA** *Aug'21-Dec'21*

- Led weekly presentations to reiterate the learnings from lectures and prepare for assignments.
- Timely graded the assignments and walked over code examples for alternate solutions.
- Created study sessions to allow students to improve their programming and debugging skills.

SOFTWARE ENGINEERING PROJECTS

POLYGRAPH KIT *Python, TensorFlow, C++, MySQL, MicroPython API, PHP, Selenium, Agile SDLC.*

- Implemented a Polygraph Exam in a team of 6 to catch lies using **Python, MySQL, PHP and MicroPython API**.
- Created a **ML Model** with over 200K data points with **Binary Classification** using **TensorFlow** and **Python**.
- Optimized the ML model by 12% for catching lies by adding more labels, increasing exam time with **Python**.
- Integrated Arduino Board sensor in **Python GUI** using **C++, MicroPython APIs** and **MySQL** for data collection.
- Created a full-stack website using **PHP** and **MySQL** and tested **multiple API Endpoints** using **Postman**.

CONNECT WITH ME *NodeJS, React, Express, MongoDB, Postman, Heroku, Git, VSCode*

- Created a Social Networking Web Application using **React, NodeJS, MongoDB, Express and Github API**.
- Implemented multiple components using **React, Redux** and **React Hooks** for user-friendly web-pages.
- Integrated 1 to 1 connection using **Github API** where a user can fork another user's repository.
- Designed around 10 data entity models, performed **NoSQL CRUD** operations using **MongoDB**.
- Deployed website using **Heroku** and tested multiple **API Endpoints** using **Postman**.

E-COMMERCE TECH SHOP *SpringBoot, Angular, MySQL, HTML, CSS, JS, Stripe API, JWT, Maven, Tomcat*

- Implemented a full-stack ecommerce website using **SpringBoot, Angular, MySQL** and **Tomcat**.
- Developed responsive web-pages using **HTML, CSS, JS** and tested multiple **API Endpoints**.
- Programmed **REST APIs** to communicate **HTTP Requests**, wrote complex **SQL Queries** for database tables.
- Integrated **Stripe API** to facilitate credit-card payment, maintained **JWT Authentication** for security.

AUDIO PLAYER BOOK *Kotlin, Android Development Kit, PHP, Git, Github*

- Created an Audio Player Mobile Application to stream books using **Kotlin** and **Android Kit**.
- Implemented **multi-threaded solutions** for networking tasks, increasing app performance by 20%.
- Increased **memory-management** to store 30 books for offline streaming and handling **error-logs**.