Keshav Thosar

keshavjaythosar@gmail.com | +91 7028094231 | linkedin.com/in/keshav-thosar/

EDUCATION

Bachelor of Technology *August 2019 - Present*
Electronics and Telecommunications Engineering *CGPA: 8.9*
Sardar Patel Institute of Technology, Mumbai, India

Higher Secondary School Certificate *June 2018 – June 2019*
R.L.T. College of Science, Akola, India *Percentage: 80.95*

Secondary School Certificate *June 2016 – May 2017*
Noel School, Akola, India *CGPA: 9.4*

SKILLS

Programming Languages: Python, C, C++, Basic Java
Frontend: HTML, CSS, Javascript
Backend: Node.js, Express, Firestore
Others: Git, Jupyter Notebook, Figma

EXPERIENCE

Technical Software Intern, Smowcode
Oct 2020 – Sep 2021
- Added multiple front-end features like variable auto-suggestion, sandboxed conditional rendering, node data persistence, etc. to the Node-RED based IDE
- Integrated a messaging interface using Comms Connection API for effective server-client communication
- Added encryption/decryption support for intellectual property protection and command line execution support to a core binary of the product
- Developed various modules for ESP32 microcontroller to interface with peripherals like Wi-Fi, Ethernet, and OLED

EXTRACURRICULARS

IEEE-SPIT Technical Head
Jun 2021 - Present
- Designed and Overlooked a Tech Quiz alongside Student Council of college
- Student Ambassador for IEEEXtreme 15.0
- Maintaining the committee website
- Successfully organized HL Series webinars which revolved around learning to un-judge people and grow out of biases
- Planned multiple event ideas with the entire committee

IEEE-SPIT Core Coordinator
Sep 2020 – May 2021
- Successfully organized Web It Up 2021, a web development competition
- Aptly organized App it Up 2020, an android app development competition
- Wrote multiple technical articles on topics like RPA, App development, etc.

Reverse Classroom Instructor
Sep 2020 – Jun 2021
- Effectively planned the curriculum and jointly conducted C Workshop for college students
- **Topics covered:** Flowcharts, Data Types, Operators, Loops, Searching, Sorting, Structs, Unions

PROJECTS

Insti-Tour (2022)
Team Project
- A web platform created to cater the needs of aspiring engineers to find them a college of best fit using parameters like Score, Distance from home, etc.
- RPG themed virtual tour with which students can explore the campus
- Chatbot to deal with any queries.
- **Role:** Frontend Development and Project Management
- **Technologies used:** *Django, RASA, Momento360, PhasorJS, TailwindCSS*

Maze Solver (2022)
- A webapp to visualize various path finding algorithms
- Interactive UI where one can place source, destination, and obstacles in a grid
- Algorithms added: DFS, BFS, A*
- **Technologies used:** *HTML, CSS, JavaScript, P5.js*

Ellipse (2021)
Team Project
- A platform created for students to explore their interests and solve their queries efficiently via forums and temporary chatrooms
- **Role:** Project Management, Backend, and Integrations
- **Technologies used:** Node.js, Express, SocketIO, Firestore

ACHIEVEMENTS

- Runner up at S.P.I.T. Hackathon 2022 from 100+ teams by developing Insti-Tour
- Received Best Paper Award for research paper titled "Effective Malware Analysis using Gradient Boosting and Convolutional Neural Network" at IBSSC 2021 among 30+ papers from the same category
- Won third position at BVP TechShuttle's Tech-a-Thon 2021 from 80+ teams by creating an asset sharing platform for hospitals