# Anjan Nair

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## EDUCATION

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|---|---|
| **Atharva College of Engineering** | 2019 - 2023 |
| *Bachelor of Technology - Electronics and Telecommunication* | *CGPA - 9.13* |
| **Khar Education Society** | 2019 |
| *Higher Secondary Certificate - Science* | *69.33%* |
| **Bombay Scottish School, Powai** | 2017 |
| *Indian Certificate of Secondary Education* | *89.89%* |

## SKILLS SUMMARY

- **Languages**:  JavaScript, Python, C++, Bash, Java
- **Frameworks**:  NodeJS - Electron, Express, React
- **Tools**:  Docker, GIT, MySQL, MongoDB, AutoCAD Fusion360, Visual Studio Code, GitHub
- **Platforms**:  Linux, Windows, Arduino, Raspberry, Web, AWS, GCP, Heroku, Repl
- **Open-source**:  Hacktoberfest 2020 and 2021, 1000+ GitHub and GitLab contributions
- **Soft Skills**:  Leadership, Event Management, Writing, Public Speaking, Crowd Management

## EXPERIENCE

- **Robotics ABU Robocon Software Team Co-Lead** — Mumbai
  *Freelance* — *Jan 2022 - Apr 2022*
  - **Developing CAD models**: AutoCAD Fusion360 was used to build the 3D model of the robots. Our team qualified with a score of 98/100 for round 1 for which we earned full marks for the CAD model.
  - **Object Detection**: Worked on software such as OpenCV, Darknet, YOLO (a convolutional neural network for object detection in real-time) etc. to detect objects, calculate distance and navigate between the object and camera.

- **TEDxACE Web Developer** — Remote
  *Freelance* — *Nov 2021 - Apr 2022*
  - **Maintaining and Developing Code**: Worked on updating the content on the page, using the Cloudinary and Cloudfare CDN to improvise speed. Integrated a dynamic email collector on a static web page. Splitting big HTML files into chunks using vanilla JavaScript.

- **JavaScript Developer - CodeSpeedy** — Remote
  *Student Developer (Internship)* — *June 2021 – July 2021*
  - **Optimized Code Writing**: Implementation of all types of JavaScript code in the smallest possible way.
  - **Search Engine Optimisation**: Ensure all published articles are withing the criteria of 80% satisfaction to ensure better visibility to search engines.
  - **Documentation**: After writing code and making it ready to publish, a well documented article was to be prepared to ensure the code is explained to other developers.

- **CodeAsylums Student Partner** — Remote
  *Internship* — *Sep 2020 - Sep 2021*
  - **Fellowship Program**: Worked on an internal dashboard and pagination for the community's internal website which utilized Bootstrap, HTML, CSS and JS.
  - **Collaboration Coding**: Students from universities all the way from Delhi, Indore etc. (including me) built this project remotely by using GitHub and Git for version control and collaboration.

## PROJECTS

- **Resume Generator using Python's Tkinter**: This project utilizes Python's standard GUI library, **Tkinter**, to build a resume generator. Apart from generating resume's this even has an **account system** through which users can save their details for later. All the saved data is encrypted in a cryptographic manner using **Fernet keys** which is a type of symmetric encryption.
  **Tech**: Python

- **De-centralized Music Streaming Platform**: Designed and developed a rudimentary peer to peer music system application with the help of Interplanetary File System (IPFS) for a hackathon, Codeshastra 8.0 organized by DJ Sanghvi College.
  **Tech**: ReactJs, IPFS & MongoDB

- **Automated Applications (Bots) for Discord**: This project involved building **open source bots** using **NodeJS** and utilizing the **Discord API** from the discord.js module. A personal bot along with a bot for the devRant community server on Discord was built by me. The bot can easily handle multiple requests due to the high number of parallel requests capability of Node. Along with building the bot, **hosting** and maintenance was also done by me on the **Heroku cloud platform**.
  **Tech**: NodeJs, Heroku, Memcache & MongoDB

- **Smart Waste Monitoring System**: The main idea of the project concerns **public health** and **hygiene**. It can be applied to keep in check garbage levels at all times. This represents a smart waste monitoring system that can be built using simple microcontrollers like **Arduino and Raspberry Pico**.
  **Tech**: Arduino, Raspberry Pico

## Certifications

- Technical Support Fundamentals - Google

- Full Stack Web Developer - Board Infinity

- Composite Training on Industrial Robots - Atharva College of Engineering

## Honors and Awards

- Second Runner Up for Paper Presentation by IEEE (Topic - Blockchain Based Payment System) - April 2022

## Experience

- **Events Team - National Social Scheme Atharva**: Conducted events that involved managing big teams and crowds. Participated in voluntary social work with various NGOs in Mumbai.