Aditya D.S.

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EDUCATION

B.Tech + M.Tech Electronics and Communication Engineering　`2018 - Present`
Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai, India 8.68

Pre-University College Examination (12th Grade) PCME　`2016 - 2018`
Sri Kumaran Children's Home Pre-University College, Bengaluru, India, Bengaluru, India 90.16%

All India Secondary School Examination (10th Grade)　`2012 - 2016`
Mirambika School For New Age, Bengaluru, India 10.0

WORK EXPERIENCE

Software Developer Intern　`May 2022 - Present`
Powerplay, Bengaluru, India

- Stress testing with Artillery
- Infrastructure Monitoring with New Relic
- Application Monitoring with Sentry
- Integrated Razorpay payment gateway
- Proactively involved in fixing daily bug reports from clients
- S-curve feature implementation for project planning

Desktop App Developer Intern　`May 2021 - Feb 2022`
Dr. Vineet K. Srivastav, Indian Space Research Organisation(ISRO), Bengaluru, India

- Application Name: Orbital ToolKit(OTK)
- Made use of ElectronJS framework and other tools like Electron Forge
- Cross Platform - Built for Windows and Linux(both Debian and RedHat based distros)
- Used GitHub Actions to publish binaries for different operating systems and architectures

Full Stack Web Developer Intern　`Dec 2020 - Mar 2021`
4Climate, Chennai, India

- Generating user reports in PDF, CSV, JSON and XLSX file formats
- Dashboard + API to test hardware
- Web dashboard for clients to monitor and control their hydroponics kit remotely
- Explored different AWS services like Lightsail, EC2, Beanstalk, CloudWatch, SNS
- Deployed Node.js applications to Lightsail and Beanstalk instances
- Documented usage of various AWS services

SKILLS

Languages	JavaScript, Python, C/C++, MATLAB
Technologies	Node.js, Express.js, Flask, WebSockets, Puppeteer, Electron JS, Bootstrap
Cloud	EC2, Elastic Beanstalk, Lightsail, SNS, BigQuery, Firebase
DevOps	Docker, Kubernetes, Git, GitHub Actions
Database	MongoDB, MySQL, phpMyAdmin
Others	Artillery, New Relic, Sentry, Smartlook

PROJECTS

E-Prescription Management System *Node.js, MongoDB*   https://github.com/Aditya-ds-1806/E-Prescription-Management
A simple web application with the ability to identify fake prescriptions using Fourier Transform to help prevent prescription drug abuse

Chess-PGN-Parser *Node.js, Rollup*   https://github.com/Aditya-ds-1806/Chess-PGN-Parser
Chess PGN Parser is an NPM package that parses PGN(Portable Game Notation) files and returns JSON output.

Carnatic Melakarta Raga Classifier *Python, Librosa*   https://github.com/GaneshTS06/Raga-Classifier
A simple raga classification algorithm that makes use of Fisher-Jenks Classification

OCR API and Web App *Python, Tesseract, Flask*   https://github.com/Aditya-ds-1806/OCR-backend
A Flask API for performing Pre-processing and OCR detection on scanned images

Pingg.io *Node.js, Bootstrap, EJS, IndexedDB, Socket.io*   https://github.com/Aditya-ds-1806/Pingg.io
A messaging app that tries to implement the Hellman Key Exchange Algorithm and doesn't store chat history

Skribblrs.io *Node.js, Socket.io, Express.js, Bootstrap*   https://github.com/Aditya-ds-1806/Skribblrs.io
Skribblrs.io is a clone of Skribbl.io, a multiplayer drawing and guessing game.

Website for CICT 2020 *Node.js, Express.js, Bootstrap, EJS*   https://github.com/Aditya-ds-1806/CICT-2020
Website for the 4th IEEE CICT conference hosted by IIITDM Kancheepuram, 2020.

Digital Audio Fingerprinting *Python, MongoDB, Librosa*   https://github.com/Aditya-ds-1806/DAFi-python
Implementation of Shazam's Digital Audio Fingerprinting Algorithm in Python.

Microservices *Node.js, Express.js, MongoDB*   https://github.com/Aditya-ds-1806/microservices
Microservices project containing 3 services: User service, User interaction service and Content Service

Samgatha 2020 *Node.js, Express.js, Bootstrap, EJS*   https://github.com/Aditya-ds-1806/Samgatha-2020
Website for the 2020 edition of Samgatha 2020, the annual cultural fest of IIITDM Kancheepuram.

ACHIEVEMENTS

Arduino Quiz *2018*   IIITDM Kancheepuram
1st place

Hackverse 2.0 *Feb 2021*   NIT Surathkal
Reached Top 10 in the "Let's have Fun" track. https://verify.givemycertificate.com/verify/QYSW-1S5J-5744-T4G3

Hacktoberfest *2020, 2021*   DigitalOcean
Participated in the event by making open-source contributions to organizations such as MindsDB, Auto DL

Circuitronics *Apr 2022*   Vashisht 2022
2nd place