

ADITYA M

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Computer Science Engineer by training with adequate experience in application development. A prospective master's student aiming to procure skills and work on interdisciplinary fields of cloud.

EDUCATION

ACS College of Engineering

Bangalore, Karnataka

Computer Science Engineering July 2017 – July 2021

RESEARCH

Computer Science and Engineering Department, ACS college of Engineering, Bangalore 2020 – 2021

Advisor: Asst. Prof. Anitha Malagam

Title: Combined Steganography and Image Cryptography System for Secure Data Transfer.

EXPERIENCE

Grassroots - GRSSL, August 2021 – present

Software Developer

- Working on Next JS, Node TS, Fastify, and MongoDB stack.
- Server spectator modules and hosting proxy. Business Logic and Dialer logic solutions facilitate end to end communication.

NH Robotics, September 2021 – present (Autonomous Research and Development)

Freelance

- Working on MERN stack to develop a bridge between web interface and robot.
- Connecting the ROS Bridge to facilitate constant connection

Oxyease, February 2021 – June 2021

Internship

- Worked as an intern Developing an application that facilitates buying, selling and renting oxygen machines. Designed a relational database using MySQL database.
- Developed a API using NodeJS and Express to fetch and query data from database.
- Designed a graphical user interface that facilitated fetch, post, update and delete data in database.

Marek Adventures, October 2020 – December 2020

Internship

- Website Development Intern
- Designed aesthetic website for a travelling company based in Namibia.
- Established hosting server to host the web application.

Esilicon TechnoDesign Private Limited, July 2020 – September 2020

Internship

- Application development Intern.
- Developed API and API gateway for web and mobile application.

PROJECTS

Performance Based Adaptive Questioning, Web Application [Link](#)

- Designed and developed a web application that assess students by changing difficulty of questions based on previous attempted questions.

Medicinal Plants Classification, Machine Learning Classification [Link](#)

- A trained model to classify images with a description on its region and importance, classifies leaf image input from the trained dataset and gives information about the recognized plants/leaves.

Computer Science Materials Mobile Application, Mobile Application [Link](#)

- Android application built on React Native with aim to provide notes, syllabus and more to computer science students.

Cafeteria Queue Solution, JSF and MySQL [Link](#)

- An application with objective to solve queuing problem in the college cafeteria. A Relational Database to handle CRUD operations, API designed in java, and JSF User Interface.

PRESENTATIONS

Technical Seminar, “Distributed Data Strategies to Support Large-Scale Data Analysis Across Geo-Distributed Data Centers” June 2021.

Professional Internship Presentation, “Application development” June 2021

Paper Presentation, “Combined Steganography and Image Cryptography System for Secure Data Transfer” Name of Conference”, July 2021.

Internship Presentation, “API Development and Mobile App Development” August 2021.

WORKSHOPS

Web Development Workshop — Prinston Smart Engineers

Python with Machine Learning— AVM IT Solutions

Angular TS web development workshop— Avohi InfoTech

Careers in Cyber Security — GITAM school of Technology

SKILLS

Programming: HTML, CSS, JavaScript, Java, Python, C, Kotlin.

Application Framework Frontend: ReactJS, React-Native, Java for Android development, AngularJS, NextJS.

Application Framework Backend: NodeJS, Express, Fastify, StrapiJS, Node TS.

Cloud Services: MongoDB, S3 Bucket, DynamoDB, Heroku, AWS Elastic Beanstalk.

API Gateways: Apache proxy, krakenD.

REFERENCES

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