ROEHIT RANGANATHAN

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OBJECTIVE
Aspiring to pursue graduate studies in Software Engineering and Cloud Computing. Upon graduation, I plan to implement the expertise and experience gained to develop complex and efficient codebases for my career in software development. Eventually, I want to leverage my skills and experience and work as a Cloud Systems Architect.

ACADEMIC QUALIFICATION
B. Tech in Computer Science Engineering (specializing in Software Engineering)   **June 2019 - May 2023 (expected)**
SRM Institute of Science and Technology, Chennai   **(9.5 GPA)**

ACADEMIC PROJECTS
Title: Test Driven Development [Samsung Prism, Remote]   **Jan 2022 - Present**
Team Size: 4   **Role**: Research Intern
Summary:
- The aim of the project is to implement software development methodology of test driven development (TDD).
- Although efficient, TDD is a tough methodology to adopt and making it easier to learn and understand is of utmost importance and therefore we are developing a Plugin for IDEs to make the process simpler and easier.

Title: Recruitment Application   **Jun 2021**
Team Size: 4   **Role**: Team Lead
Summary:
- The Application helps to ease the process of recruitment for organizations by collecting user profiles, schedules tests, apply exams, schedule interviews.
- Techstack: NodeJS, ExpressJs, and MongoDB.

WORK EXPERIENCE
Airdonex (part-time)   **Software Project Manager**   **Sep 2021 - Present**
- Developed a proprietary tracking algorithm for drones for traffic management called AirUTM.
- Led a Team of 10 members to achieve the goal and coordinated between different departments.
- Implemented python and C++ for the majority of the development.

INTERNSHIPS

Binks, Bangalore (remote)   **Software Engineering Intern**   **June 2022-Present**
- Created and built new components to the Binks web application and maintained the admin application using Django and ReactJs.
- Performed Devops on AWS, and employed tools such as RDS, EC2, Route54 and Google analytics, along with Apache Kafka for Data Analytics.

Light and Craft technologies, Bangalore (remote)   **Full Stack Research Intern**   **Aug 2021-Nov 2021**
- Created new components for web interface on NextJs, along with APIs on Django.
- Created custom DB connectors for confluence and Apache Kafka.
- Used and researched tools such as RDS, AWS MSK, and Debezium

Multigenesys Software, Pune (remote)   **Web Development Intern**   **May 2021-Aug 2021**
- Designed and built websites for clients using Angular, React, HTML, and CSS
- Maintained Git and all VCS, worked on documentation, and designed updates

Infinite Engineers, Chennai (remote)   **Full Stack Development Intern**   **Feb 2021-May 2021**
- Designed and built the company website along with Admin panel using NodeJS and MongoDB
- Maintained version control and performed testing and Devops.
- Performed Maintenance, documentation, and design updates.

INDEPENDENT PROJECTS
Title: Formula 1 Statistics APP   **Jul 2021 - Present**
Summary:
- Provided Statistics of Formula1 starting from 1950.
- Used open source Ergast API for data and local storage Caching to reduce network load.
- Used ReactJs with tailwindCSS for User Interface and deployed the project on Netlify.

Title: Portfolio Site   **Jul 2020 - Present**
Summary:
- Developed a personal portfolio site that provides the personal details and resume.

ADDITIONAL COURSES:
- Architecting with Google Compute Engine specialization – Google Cloud, March 2021
- Web Design for Everybody specialization – University of Michigan, September 2020
- Java for Android – Vanderbilt University, May 2020

WORKSHOPS:
- 30 Days of Google Cloud, December 2020
- Presented a paper on *Probability On Generating A Secure Password Using Markov's Algorithm*, Feb 2020

LEADERSHIP ROLES
- President, NEXT GEN AI – A student organization of SRM, April 2022 - Present.
  Conducted events and workshops to spread the uses of Computer Science to everyone
- Domain Head, Student Copter Research Organization, September 2020- July 2022.
  A club of SRM, performs research on aerial vehicles.

COMMUNITY INVOLVEMENT
- Served as Technical support executive in planning and process committee of National Youth council of India, 3 months active, Sep 2020 - Nov 2020