

# Mohammed Shoaib Alyaan

Norfolk, VA | [LinkedIn - shoaibalyaan](#) | [GitHub - shodevacc](#) | [732-581-9846](tel:732-581-9846) | [salya006@odu.edu](mailto:salya006@odu.edu)

## EDUCATION

### OLD DOMINION UNIVERSITY

*Masters of Science in Computer Science*

Norfolk VA

Expected May 2024

### RAMAIAH INSTITUTE OF TECHNOLOGY

*Bachelors in Electronics and Instrumentation Engineering (GPA: 8.74)*

Bangalore, India

August 2020

## WORK EXPERIENCE

### OLD DOMINION UNIVERSITY

*Graduate Research Assistant*

Norfolk, VA

August 2022 - Present

- Designed the system architecture for Taste of India - an Asian Indian Festival in Virginia; and developed the backend infrastructure leveraging Prisma, NestJS, MySQL, and Sockets.
- Developed software for a flight computer using GomSpace compiler inside a docker containerised workspace.
- Conducted analysis on a HIPAA-compliant research study on a new drug for agitation treatment for Alzheimer's patients.

### PETISHH

*Full Stack Developer and Technical Consultant*

Bangalore, India

March 2022 - August 2022

- Strategized a flexible technical system architecture to meet dynamic business requirements for present goals and future development.
- Developed a custom full-stack booking system, reducing page loads by 13%; thereby increasing revenue by 25% and customer retention by 15%

### LI2 TECHNOLOGIES

*STUDENT INTERN*

Bangalore, India

Jan 2020 - March 2020

- Created a prototype for an IoT-enabled self-balancing bicycle for assistive rehabilitation with in-built safety features including live location tracking, SMS notifications, and SOS trigger mode.
- Altered a core design specification, after assessing current resources and future projections, leading to reduced energy consumption by 8%

### NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES

*STUDENT INTERN*

Bangalore, India

July 2019 - August 2019

- Expanded technical knowledge on medical equipment validation and evaluated 3 ventilators as unusable and 4+ to be reusable at the institute across 3+ wards
- Delivered a report on reusable medical equipment at the institute enabling them to retrench annual spending on medical equipment by \$5000+

## PROJECTS

### PUZZLE-YUZZLE - [PROJECT LINK](#)

*Technology/Languages: NextJs, ReactJS, MongoDB, Google Analytics*

Norfolk, VA

July 2022 - August 2022

- Designed and engineered a full-stack interactive daily puzzle game with Client Side Rendering and Static Site Generation, to meet specific application requirements.
- Initiated a brainstorming session with the client about game analytics and implemented custom event logging to study user engagement, retention, and popular puzzles.

### EKTA- [PROJECT LINK](#)

*Technology/Languages: ReactJS, Solidity Blockchain, Figma*

Bangalore, India

September 2021 - October 2021

- Developed a decentralized exchange for EKTA- a Layer 1 blockchain project, on the EKTA chain leveraging WalletConnect and Metamask APIs, to enable users to swap with other currencies on the chain.
- Increased customer engagement with the project by 40% and customer base by 15%

### N.K. CATERERS - [PROJECT LINK](#)

*Technology/Languages: Gatsby, ReactJS, NodeJS, REST API, MySQL, Strapi, Figma*

Bangalore, India

March 2021 - May 2021

- Led transition to digitize business by creating a full-stack E-Commerce website for N.K. Caterers - An Indian-based food catering company.
- Engineered application architecture to meet design, functional, and business requirements, leading to an increase in orders by 25% and reducing booking process time by 20%

## SKILLS

**Skills:** ReactJS, NodeJS, Typescript, Python, GraphQL, Angular, Java, MySQL, MongoDB, Selenium, Keras, R, Solidity, C, C++

**Tools:** Figma, Jira, Git/Github, Trello, Notion