

# PURNA SRIVATSA BOGGAVARAPU

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## Education

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### Virginia Tech

August 2021 – Present

*Master of Engineering in Computer Science - 3.9/4*

*Blacksburg, Virginia*

- Coursework: Software Engineering, Deep learning

### Birla Institute of Technology and Science, Pilani

August 2015 – May 2019

*Bachelor of Engineering in Electronics and Communication*

*Hyderabad, India*

- Relevant Coursework: Object Oriented Programming, Database Management systems, Data structures and Algorithms

## Technical Skills

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**Languages:** Typescript, Golang, Javascript, Python, Java, C++, HTML/CSS, PostgreSQL

**Technologies/Frameworks:** Node.js, React.js, RabbitMQ

## Experience

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### Amazon Web Services

July 2023 – Present

*Software Engineer*

*Palo Alto, CA, USA*

- Part of the RDS(Relational Database Service) team
- Working on projects associated with high availability of databases.

### Tulip Interfaces

Jan 2023 – Present

*Software Engineer*

*Boston, USA*

- Contributing to a no-code app builder as part of the data team.
- Optimized front renders for frequently used pages. React, Redux, Typescript
- Enabled automations (headless apps and app trigger). Used Golang, Rabbitmq, Typescript.
- Fixed performance issues with data heavy queries. PostgreSQL
- Added read replicas for postgres DB to route read queries, reduce load and improve performance. Golang, PostgreSQL

### Tulip Interfaces

May 2022 – Aug 2022

*Software Engineer Intern*

*Boston, USA*

- Added to activity record history in Tulip app using React, Typescript, MongoDB, Postgresql and Golang.
- Added a new microservice that handled metaevents and acted as read/write service of machine data for other services. Used typescript and Rabbitmq for messaging.
- Added file upload and rendering support in multiple places in the app.

## Projects

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### Inventory Manager Web App | ReactJS, Java springboot, Firebase

August 2022

- Built entire frontend for client-side of the app
- Built Cart, Order placement, Processing, Order history pages
- Worked on authentication and built user profile management

### Flight Booking manager App | ReactJS, Java, SQL

November 2020

- Built flight search and filtering modules

### Research Visualizer Web application | NodeJS, ExpressJS, MongoDB, Ajax, Bootstrap

January 2021

- Developed a web application for researchers to manage and visualize research papers.
- As part of a 4 member team worked on all phases of software - requirements, design, development, deployment.