

Deepak Gupta

Falls Church, VA

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Education

Virginia Tech (Virginia Polytechnic Institute and State University)

Master of Engineering in Computer Science

Jan 2023 – Dec 2024

GPA: **3.9/4.0**

Oriental Institute of Sci & Tech

Bachelor of Engineering in Electronics and Communication

Aug 2014 – May 2018

Experience

GeekyAnts Pvt Ltd

Reliance JIO: Client

Principal Software Engineer

Mar 2022 – Jan 2023

- Built a Design System in React for Reliance Jio used by most of their products used by *millions* of users.
- Researched correct design principles, made 10+ components from scratch, and contributed to many more.
- Led & Worked with a small team of 4 people and mentored 6 Software engineering Interns in Web Development.
- Designed & Developed a 1-to-1 virtual GeekyAnts office replica for a mixed or virtual reality experience.

Rivian Automotive: Client

Software Engineer

Feb 2021 – Feb 2022

- Developed & Designed microservices that provide data for analytics from multiple streams with low latency on AWS.
- Handled scaling, effective deliveries, message notification services, and made plugins to automate development flow.
- Published an [open-source plugin](#) on npm store for the serverless framework that has 25,000+ downloads so far.

GeekyAnts Pvt. Ltd.

Software Engineer

July 2020 – Jan 2021

- Built a presentation/authorizing tool with courses that can work in any LMS.
- Developed components like collider systems, grids & guidelines with snapping, etc.

Tata Consultancy Services

Assistant System Engineer

July 2018 – July 2019

- Migrated safe mode application written in an older version of Java to Java 8's for having better scalability using the paradigms of functional Programming, Streams API.

Projects

AI Learns to Play - Flappy Bird

- Implemented NeuroEvolution of Augmenting Topologies genetic algorithm on flappy bird using a Neural network.
- Built a Neural Network from scratch and supporting matrix library.

Data Visualization in Virtual Reality

- Built Visualizations for Virtual Reality based on Choropleth & Heatmaps to show light distribution data of houses.
- Researched and designed novel techniques of visualizations in Virtual Reality.

padhaitime.com

- Designed & Developed Backend, and Frontend from scratch and contributed articles.
- Created a website that teaches Python, Data Science, Machine Learning, etc., has 50,000+ web visits.

Book Recommendation System

- Designed & Integrated a Book Recommendation system where users get recommended books based on their interest.
- Created a website of books using React to show the interface and working of the recommendation system

Achievements

- TCS Codevita (national level coding challenge) Championship in the top 1.5% out of 99000+ participants.
- Quarter finalist India Innovation Challenge Design Contest organized by DST & Texas Instruments.
- LIREL Award (Best Overall Performer) during training at Tata Consultancy Services.

Skills

Languages: Python, JavaScript, C#, Java, TypeScript, SQL, HTML, CSS

Others: OpenXR, TensorFlow, React, OpenCV, Unity 3D, AWS, Node.js, Next.js, Git, Matplotlib, Scikit-learn