

# Naveen Kumar Amujuru

B.Tech - IIT INDORE

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology Indore(IIT INDORE)	6.87	2019-2023
Senior Secondary	Andhra Pradesh State Board	9.82	2019
Secondary	Andhra Pradesh State Board	9.8	2017

## EXPERIENCE

- Robosys Automation., Gujarat (On-site)** 16/11/2023-Present  
*Software Engineer* Github
  - Implemented a vessel controller using kvaser data, using CSharp,.NET Framework and Node.js as primary backend development, integral to autonomous ship system and verified its functionality with ship console USB device.
  - Implemented user-friendly and lightweight UI for client interface using Javascript,React.js,DevExpress prioritizing an intuitive user experience, have strong understanding on working with DLL'S, windows forms applications.
  - Implemented code for integrating XBox,FortController,AeroNav and ShipConsole hardware into our client software using CSharp,.NET and node.js as backend development, ensuring seamless functionality and compatibility.
  - Proficient in CAN bus communication protocols, including configuring and programming controllers and reading/writing data across different CAN channels and troubleshooting network issues.
  - Optimized Bresenham's Line Algorithm for drawing pixel-perfect lines in all four quadrants, reducing time complexity and CPU usage. Fixed minor bugs in a shortest pathfinding algorithm with obstacle avoidance.
- Qmin Infotech Pvt Ltd., Gujarat (On-site)** 18/09/2023-12/10/2023  
*Fullstack Web Developer Intern* Github
  - Independently designed and developed the company's website from scratch, utilizing React.js,Javascript and Flask as the primary web development technologies and implemented SEO strategies,resulting in a 50 percent increase in website's organic search traffic and improved search engine rankings.

## PROJECTS

- Hospital Management** 03/2023 - 04/2023  
*Dr. Aruna Tiwari* Github
  - Used HTML,CSS,Bootstrap for frontend and mySQL,Python,Flask for backend.
  - Considered all the requirements from the perspective of hospital management and also made it user friendly.
- Car Price Value Prediction** 07/2023 - 08/2023  
*Web development project* Github
  - This project aims to develop a ml model using Multi Linear Regression to predict the Price value of cars based on various features and attributes.Used HTML,Bootstrap,Javascript for frontend and Flask for backend.
  - The performance of the model is assessed using evaluation metrics such as Mean Squared Error(MSE) and r2 score.
- Disaster Tweets Classification** 01/2023 - 02/2023  
*Machine Learning Project* Github
  - Implemented traditional models Logistic Regression,DecisionTreeClassifier,RandomForestClassifier.
  - Implemented BERT model and compared it with traditional models interms of Accuracy,Confusion Matrix.

## TECHNICAL SKILLS

- Programming:** CSharp,C++,C,Python,OOPS,Machine learning algorithms,Predictive modeling,Javascript
- Technologies/Libraries:** MERN Stack,Node.js,React.js,HTML,CSS,Git/GitHub
- Tools/Frameworks:** .NET Framework,ASP.NET,Express.js,Entity Framework,Dapper,Sequelize,Bootstrap,Flask
- Miscellaneous Skills:** Multi-threading,TaskFactory,Azure Devops,ETL,VS Code,DevExpress,Hostinger,DSA
- Databases:** Linq,SSMS,MySQL,MongoDB,JSON,Postgresql,SQLite3
- Communication Protocols:** UDP,TCP,Kvaser CAN BUS,HTTP,Serial \* Elementary proficiency

## KEY COURSES TAKEN

- Mathematics:** Linear Algebra,Calculus,Regression problems, Discrete Maths, Probability & Random Processes
- Computers:** Data Structures and Algorithms,Data Base Management System
- Great Learning:** Introduction to Web Development,Machine Learning Algorithms,Data Visualisation with Python.

## ACHIEVEMENTS

- JEE Main**, Secured 99.41 percentile 2019
- JEE Main**, Secured a All India rank 1858 among 1.25 million candidates appearing for the test 2019
- JEE Advanced**, Secured a All India rank 1893 among 0.24 million candidates appearing for the test 2019