

Manav Jain

<https://github.com/Manav981>
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PROFILE

Highly ambitious and motivated Computer Science student at VIT Chennai with a strong passion for coding and creating innovative solutions. Possesses exceptional problem-solving skills, leadership abilities, and a deep interest in development languages such as MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, JavaScript, Bootstrap.

Experienced in software engineering, object-oriented programming, and database design. Proficient in languages like Java, C++, and Python. Skilled in troubleshooting and debugging software issues, with a keen eye for detail. A team player with excellent communication and collaboration skills. Self-motivated and constantly seeking opportunities to enhance skills and stay up-to-date with the latest industry trends.

With a strong commitment to success, I am driven to contribute to meaningful projects, leveraging my technical expertise and passion for development to deliver exceptional results.

EDUCATION

VIT | Chennai, India

September 2020 - Present

B.Tech in Computer Science

CGPA: 9.09/10

Key Modules: Full Stack Web Development, Artificial Intelligence, Python, C++, MERN Stack, Algorithm designing, Data Analytics

Thakur College | Mumbai, India 2020

August 2018 - March

Thakur College of Science & Commerce
March 2020

August 2018 -

Subjects: Mathematics (A), Physics (A), Computer Science (A), Chemistry (A)

TVMHS

June 2017 - March 2018

Subjects: Science (A), Mathematics (A), English (A).

Work Experience

Online Externship in Applied Data Science at SmartInternz

May 2023-July 2023

- Participated in a rigorous online externship program focused on applied data science, conducted by SmartInternz.
- Acquired in-depth knowledge of applied data science concepts and techniques through comprehensive training modules.
- Developed a project on "Predicting Student Adaptability Level in Online Education" as a culmination of the program
- Utilized machine learning algorithms such as KNN, Decision Tree and Random Forest to train a predictive model on the preprocessed data.
- Achieved F1 Score of 0.993 using Random Forest, 0.979 using Decision Tree and 0.955 using KNN models
- Achieved a completion certificate at the end of externship

Full Stack Web Development Internship at Edureka

September 2021-January 2022

- Gained comprehensive knowledge of web development concepts, tools, and frameworks through interactive training modules.
- Developed a Zomato clone project, a full-fledged web application replicating key functionalities of the popular food delivery platform.
- Implemented two new features: enabling bulk ordering and pre-ordering, enhancing the user experience and streamlining the ordering process.

- Demonstrated problem-solving skills and attention to detail in debugging and resolving technical issues throughout the development lifecycle.
- Received Certificate of Best Performance at the end of internship

AI and ML Externship at Edureka

June 2021-July 2021

- Developed a project on pneumonia detection using X-ray images, applying machine learning algorithms to accurately classify images.
- Acquired hands-on experience in data preprocessing, feature extraction, and model training using popular ML frameworks.
- Utilized deep learning architectures such as convolutional neural networks (CNN) to build an efficient pneumonia detection model.
- Achieved accuracy of 94% using VGG16, 92% using ResNet50 and 85% using CNN model.
- Achieved a completion certificate at the end of externship

Projects

- **Zomato**

- Developed a Zomato clone project during a full stack web development internship at Edureka.
- Implemented two new features: bulk ordering and pre-ordering, enhancing user experience and streamlining the ordering process.
- Integrated functionality to display restaurant specialties, providing valuable information for users.
- Utilized a full stack technology stack including [list relevant technologies, frameworks, and languages].
- Collaborated effectively within a development team, following agile methodologies for efficient project delivery.
- Demonstrated problem-solving skills and attention to detail in debugging and resolving technical issues.
- Successfully completed the project within established deadlines, delivering a high-quality web application.

Link:

https://drive.google.com/file/d/15MMWHkxFtQpNMX_CLruZcdm3bygDwF3s/view?usp=share_link

- **Student Adaptability Level in Online Education**

- Developed a predictive model during an applied data science externship to assess student adaptability in online education.
- Collected and preprocessed diverse student data, extracting valuable insights for analysis.
- Trained a robust predictive model using machine learning algorithms and optimized its performance.
- Deployed the model to predict adaptability levels and provided personalized recommendations for students.

Link: <https://github.com/Manav981/Student-Adaptability-in-Online-Education>

- **Pneumonia Detection using X-rays**

- Developed a project on pneumonia detection using machine learning techniques during an AI and ML externship at SmartInternz.
- Applied data preprocessing, feature extraction, and model training using popular ML frameworks.
- Implemented a deep learning architecture, specifically a convolutional neural network (CNN), for accurate pneumonia classification.

Link: <https://github.com/Manav981/Pneumonia-Detection-Using-X-Rays-Using-Watson-Studio>

ACHIEVEMENTS

- AWS Cloud Practitioner Course Certificate(July 2023)
- Gate Score – 51 and AIR – 1857(March 2023)
- Super Intern at Edureka-Full Stack Web Development(January 2022)
- Extern at Smartinternz- AI powered by IBM with skill index of 9/10 and Career Readiness Factor of 31/32(July 2021)
- IBM certificates for Agile Training module, DevOps fundamentals and Design Thinking.

ADDITIONAL SKILLS

- **Technical Skills:** ML, AI Tools, Full Stack Web Development, Java, C++, DSA, OOPS, AWS Cloud.
- **Soft skills:** Problem Solving and Critical Thinking Skills, Adaptability, Openness, Team Member, Time Management, Resilient

HOBBIES & INTERESTS

- **Astrophysics:** Desperate to learn about the facts and discoveries of the universe.
- **Badminton:** Won gold medal at BHYC tournament (June 2017).
- **Volleyball:** Great Exercise source.
- **Neuroscience:** Keen to explore all knowledge about brain