RASMIYA

Roll No.:B210598CS
Bachelor of Technology
Computer Science
National Institute Of Technology, Calicut

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	National Institute of Technology, Calicut	7.59	2021- 2025
Senior Secondary	Kerala State Board	97.25%	2020
Secondary	Kerala State Board	98%	2018

Experience

- **Inmakes Infotech Pvt.Ltd.** *may. 2023 - Aug. 2023*
  Full Stack Developer Intern *with experience in web application development using Python Django* Trivandrum, India
  – Developed and maintained web applications using Python Django, ensuring robust and scalable solutions.
  – Implemented and maintained user-friendly web applications collaborating with teams to design and implement features.
  – Demonstrated strong problem-solving and adaptability in a fast-paced environment.

Projects

- **Urban Traffic Congestion Reduction through Dynamic Scheduling** *March. 2025*
  Implemented a real-time traffic management system to reduce urban congestion and prioritize emergency vehicles.
  – **Tools & technologies used**:Python, YOLOv8n, Faster R-CNN, SUMO, DeepSORT, BoT-SORT
  – Designed and trained CNN-based object detectors (YOLOv8n, Faster R-CNN with ResNet-50/101 & MobileNet-v3 backbones) for real-time vehicle and emergency detection.
  – Built custom datasets incorporating Indian road conditions including rickshaws and weather-augmented imagery for improved robustness.
  – Evaluated multiple vehicle tracking algorithms (SORT, DeepSORT, ByteTrack, BoT-SORT) using the KITTI dataset

- **Face Recognition Attendance System** *March. 2024*
  Developed and implemented a face recognition attendance system aimed at automating the attendance tracking process.
  – **Tools & technologies used**:CNN,open CV,dlib,face recognition library,numpy, scikit-learn
  – Designed and trained convolutional neural networks (CNNs) for facial feature extraction and recognition.
  – Proficient in Python, utilizing libraries such as dlib and OpenCV for face recognition and image processing.

- **Conference Management System - NITCONF (Course Project)** *March. 2024*
  conference management system, aimed at facilitating the submission, review, and selection of conference papers.
  – **Tools & technologies used**:Springboot, Java, HTML, CSS, JavaScript, MySQL, Git
  – Program Committee Dashboard: Developed a portal for Program Committee members to log in, access all review comments, and make decisions on paper acceptance or rejection.
  – Integrated MySQL for database management to store and retrieve paper submissions, review comments, and decision records.

- **Todo App using Python Django** *May. 2023*
  Developed a Todo App using Python Django framework to help users organize and manage their tasks. Github
  – **Tools & technologies used**: HTML,CSS, JS,Django,Python,MySQL,Git
  – Designed a visually appealing user interface to ensure ease of use for all types of users.
  – Implemented task prioritization features, allowing users to rank tasks by importance, helping them focus on what matters most.
  – Incorporated features that allow users to effortlessly modify task details or delete tasks once they are completed.

- **Email spam Classifier** *sep. 2023 - sep. 2023*
  completed a project focused on email spam detection using machine learning techniques in Python Github
  – **Tools & technologies used**: jupiter notebook,pandas,numpy, scikit-learn
  – Demonstrated proficiency in preprocessing email data to extract relevant features, ensuring the accuracy and effectiveness of the spam detection model.
  – Expertise in selecting an appropriate machine learning algorithm to build an efficient email spam classifier.

- **Bitcoin Price Predictor** *Aug. 2023 - Aug. 2022*
  Conducted a project aimed at forecasting Bitcoin price movements by machine learning in Python GitHub
  – **Tools & Technologies Used**: Jupyter Notebook, pandas, numpy, scikit-learn

– Analyzed historical Bitcoin price data to develop a predictive model for price trends, enabling accurate price predictions.
– Utilized regression algorithms to create a robust forecasting model, providing valuable insights into future price fluctuations.

- **E-commerce Website** *May. 2023 - June. 2023*
  Developed a e-commerce website from conception to deployment Github
  – **Tools & technologies used**: Django,Python, HTML, CSS, JS
  – Implemented a product catalog system that allows administrators to easily add, edit, and remove products.
  – Incorporated advanced search and filtering capabilities to facilitate effortless product discovery for users, tailored to their unique preferences and requirements

- **Portfolio Website** *June. 2023*
  Created a dynamic portfolio website using Django, by customizing a HTML template. Github
  – **Tools & technologies used**: Django,Python, HTML, CSS, JS
  – Organized and presented portfolio content, including projects, skills, and achievements, to effectively showcase my professional journey.
  – Integrated interactive elements such as animation,navigation enhancements to engage visitors and create an immersive experience.

Technical Skills

- **Programming:** C/C++,Python,HTML/CSS,SQL
- **Tools & OS:** Git, , IDEs, Linux, Windows,
- **Libraries/Frameworks:** Pandas, Numpy, Django, Flask, , Jupyter Notebook

Positions of Responsibility

- **Public Relation Committee Juniour Executive ,**Tathva , Technical Fest , NIT Calicut *Aug. 2022 - Nov . 2022*
- **Content Creation Team Executive ,**Ragam, Cultural Fest, NIT Calicut *Jan. 2023 - March. 2023*
- **Volunteer,** NSS, NIT Calicut *Present*
- **Seniour Content Creation Team Executive ,**The Adventure Club, NIT Calicut *Present*
- **FOSSCell Associate,** FOSSCell, NIT Calicut *Present*
- **Online Tutor** Revamp24 *Present*

Certifications

- PrepInsta completion Certificate on Python course *Certificate*
- PrepInsta completion Certificate on DSA in Python *Certificate*