

# Anushka Pandey

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## Education

**SRM Institute of Science and Technology KTR, Chennai**, Bachelor of Technology in Computer Science and Engineering 2022 - Present

- GPA: 9.01/10.0

## Experience

**Full Stack Development intern**, Craflabai, Mumbai 05/2024 – 07/2024

- Developed a word generating cloud platform, improving content creation efficiency by 25 percent.
- Designed dynamic, responsive user interfaces using Svelte, boosting performance by 30 percent.
- Built and maintained server-side applications with Node.js, reducing response times by 40 percent.

## Projects

**Real-Time Flood Prediction and Resource Mapping System for Kerala Districts** 07/2024

- Developed a flood prediction system with a team of 3, featuring web scraping for live weather data, a machine learning algorithm for district-level predictions, SMS warnings, GPS mapping of relief centers, and an NLP chatbot for user queries.
- Scraping made using beautifulsoup and selenium libraries to input live data from Kerala WRIS web page.
- Machine learning program made for logistic regression algorithm using pandas, numpy, scipy, sklearn.
- SMS warning system made using Vonage API and GPS mapping system made using OpenRouteService and Folium APIs
- Tools Used: Python, NLP, BeautifulSoup, OpenRouteService

**PDF Sensitive Data Masking** 07/2024

- Collaborated with a team of 2 to develop program to mask sensitive data present in text or image form in pdfs.
- Sensitive data includes names (any language), phone numbers (any format), emails (any format), hospital names.
- PyMuPDF - extract text from pdf
- Pytesseract OCR - Extract text in any language from image
- re - identify email formats, phone no. formats and hospital/clinic mentions
- XLM-RoBERTa NER Model - Identifying names in any language from text.
- Tools Used: OCR Model, NER Model, Python, Flask.

**Image-Based Drowsiness Detection** Drowsiness-detection

- Worked to find a system using Open CV, dlib.
- Worked on building a model using numpy, open cv, matplotlib libraries of python
- Explored SciPY to handle the numbers behind the scenes, making it easier for our system to do its calculations.
- Used face utils to help us convert the facial landmarks we find into a format that our system understands better.
- Tools Used: Open CV, Matplotlib.

## Additional Experience And Extracurriculars

**Pair Programming Hackathon by JA Assure (2nd Place):** Rs.10,000 prize+paid internship at JA Assure.

**Visual Computing Club SRM (Member):** Currently working on an AR/VR project at Visual Computing Lab at SRM.

## Technologies

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**Languages:** C. C++ . JAVA. Python. HTML. CSS. Svelte. JavaScript. React js. Node js. Flask. Django. FastApi.

**Frameworks:** Bootstrap. SQL. Tailwind CSS. Numpy. Pandas. Matplotlib. SciPy. OpenCV. Jupyter. Git. Qiskit. Canva.