

MRIGANKA BAISHYA

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EDUCATION

Gauhati University

Assam, India

B.Tech in Computer Science and Engineering

CGPA: 7.49 / 10.0

Year: 2020-24

EXPERIENCE

Traviante

Web Developer

- Developed the backend architecture for a travel web application, including both user and admin panels.
- Implemented role-based authentication, session handling, data models, and RESTful APIs using Node.js and MySQL.
- Built a CMS to manage destinations, packages, and user-generated content for the admin panel.
- Integrated frontend with backend logic using dynamic routing and state management.
- Ensured secure file handling and image uploads with Multer, and protected routes using JWT.

PROJECTS

• GenAI Ledger-to-Excel Converter

- Developed a web application to convert images of handwritten ledgers and tables into structured Excel files, automating data entry tasks.
- Engineered a backend using Flask and the Google Gemini Vision API for advanced image processing and data extraction.
- *Technologies: Python, Flask, Google Gemini API, JavaScript, HTML/CSS*

• CS Question Scraper and ML Classifier

- Built an end-to-end system that scrapes computer science questions from multiple major tech websites and automatically categorizes them by difficulty (Easy, Medium, Hard).
- Implemented a classification model using the BERT transformer and custom rule-based logic to achieve high accuracy.
- *Technologies: Python, Flask, BERT, Scrapy, React.js, REST APIs*

• API-less Twitter Scraper

- Created a robust Python script using Selenium to search and scrape tweet data based on keywords without requiring official API access.
- Engineered the tool to handle dynamic web content and store the collected data efficiently into CSV files for analysis.
- *Technologies: Python, Selenium, WebDriver*

• Typing Speed Test Application

- Developed a dynamic and responsive typing speed test using React.js, providing real-time words-per-minute (WPM) tracking and error counting.
- Utilized LocalStorage for persisting user scores and performance data across browser sessions.
- *Technologies: React.js, JavaScript, HTML, CSS, LocalStorage*

SKILLS

- **Languages:** JavaScript, Python, HTML5, CSS3, SQL
- **Frameworks & Libraries:** React.js, Flask, Node.js, Express.js, Selenium, EJS
- **Developer Tools:** Git, GitHub, REST APIs, Postman, VS Code, Linux/Unix
- **Databases:** MySQL, MongoDB, Firebase
- **AI/ML:** BERT, GenAI, Natural Language Processing (NLP)