Shruti Karunakar Shetty

Bachelor of Engineering
Computer Engineering (CMPN)
Passing out year: 2025

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EDUCATIONAL QUALIFICATIONS

Course	Stream	Institute	Board / University	Date of Passing	Percentage
B.E.	CMPN	Atharva College of Engineering	Mumbai University	2025	89.15% (Aggregate)
H.S.C.	Science	Royal College of Arts, Science and Commerce.	HSC	2021	92.67%
S.S.C.	-	Sardar Vallabhbhai Patel Vidyalaya	SSC	2019	94.40%

Skill Sets

- ❖ Languages: Python, HTML, JavaScript, Java, C, C++, CSS, PHP
- ❖ Programming Environments: Visual Studio, PyCharm, Google Colab, Jupyter Notebook, GitHub
- ❖ Expertise: Web Development, Web Scraping, Django, Git, MySQL, PostgreSQL

ACADEMIC PROJECTS AND PAPERS PRESENTED

ACADEMIC PROJECTS	Title: **Audio Analysis Using Deep Learning** Description: Developing a Convolutional Neural Network (CNN) model to classify respiratory sounds recorded in audio files, aiming to differentiate between categories like URTI, Healthy, Asthma, COPD, LRTI, and Pneumonia. The model assists in diagnosing and monitoring respiratory conditions, potentially enhancing medical assessments. The CNN architecture includes four feature-detection layers with dropout to prevent overfitting and reduce data size. Title: **Data Visualization Dashboard** Description: Created a Django and Bootstrap-based dashboard for dynamic data visualization from a PostgreSQL database with 1000 records. Used D3.js for interactive graphs and charts, adding advanced filtering options for enhanced data analysis. Built RESTful APIs for efficient data management and implemented JSON file upload, parsing, and validation for data integrity. Title: **Cryptocurrency Data Scraper** Description: Created a Python-based web scraper with BeautifulSoup to collect real-time cryptocurrency data from CoinMarketCap website and a Command-Line Interface for user-friendly data retrieval. Used Django for backend integration and implemented RESTful APIs with Django REST Framework for efficient data access. Designed functions to clean and standardize scraped data, ensuring accurate and consistent cryptocurrency information. Title: **NGO Funds tracking website** Description: Developed a website for NGO funds tracking using blockchain technology, designed to accept Ethereum donations for six different causes across six different NGOs. Integrating tools such as MetaMask and Ganache, the project ensures seamless interaction with the Ethereum network, enabling donors to contribute and track donations easily. Secure and transparent transaction management with Real-time updates on fund flow for trust and accountability. Title: **Event Management System** Description: Developed an event management website featuring an admin and judge control system.

The admin assigns secure passwords to judges, enabling them to log in and evaluate contestants during the competition period. The platform supports multiple contestants and judges, ensuring a fair and efficient judging process. Post-competition, results are tallied and displayed using graphical representations, providing a clear and concise overview of the scores.

Title: **Budget Management System**

Description: Developed a comprehensive fund management website tailored for individuals, including students and parents, to efficiently track their expenses. This platform provides a user-friendly interface for recording and monitoring spending regularly, offering valuable insights into monthly expenditures and fund allocation. Additionally, the platform supports data visualization tools to help users better understand their spending habits, ultimately promoting more informed financial decisions.

INTERNSHIP

Intern at Collegedunia Web Pvt. Ltd, Gurgaon, India   Jan 23 - Apr23

- Content Creation and Optimization: Authored well-researched, SEO-friendly articles on educational topics and institutions, conducted in-depth research, and optimized content for search engines to enhance visibility and website traffic.
- Time Management and Team Collaboration: Prioritized tasks to meet deadlines, used project management tools for tracking, and fostered effective communication within the team to deliver high-quality work and incorporate feedback.

Google AI-ML Virtual Internship   Apr 24 – Jun 24

- Developed a strong foundation in machine learning algorithms, including regression, classification, and clustering.
- Gained expertise in data preprocessing techniques such as cleaning, normalization, and feature selection.
- Implemented and evaluated ML models using Python libraries like scikit-learn and Pandas.

CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

- Accenture Data Analytics and Visualization Job Simulation on Forage - July 2024
- Career Essentials in Software Development by Microsoft and LinkedIn Learning.
- Data Visualization with Python by IBM
- Data Analysis with Python by IBM
- SQL and Relational Databases 101 by IBM
- Participated in Projectathon national level project competition 2023 organized by Atharva College of Engineering, Mumbai.
- Appeared for C and C++ test organized at Atharva College of Engineering under Spoken Tutorial Project, IIT Bombay (February 2024) – Score: 80%

PERSONAL DETAILS

- ❖ Date of Birth   : 02/09/2003
- ❖ Languages Known   : English, Hindi, Marathi, Kannada
- ❖ Nationality   : Indian
- ❖ Religion   : Hindu
- ❖ Marital Status   : Unmarried
- ❖ Address   : Teenmurthy Summit, near Tata Power, Borivali(East) Mumbai-400066

DECLARATION

I hereby declare that the particulars furnished above are correct.

Place : **Mumbai**
Date : **2024**

Shruti Shetty