

SUPRATIM SAMANTA

DEVELOPER



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PROFESSIONAL SUMMARY


A motivated and enthusiastic fresher with a strong foundation in object-oriented programming. Focus on optimizing performance, security, and scalability while implementing web technologies. The role may also involve software development. Seeking an opportunity to utilize my technical skills and knowledge in the field of computer applications, with excellent problem-solving and troubleshooting skills. I am confident in my ability to make a substantial contribution to achieving team objectives and overall project success within an organization.

PROJECTS









- **CNN BASED ATHLETE HEALTH PREDICTION**  (March 2025 - May 2025)
 - Accepted at IEEE Conference (2025)
 - Python, PyTorch, Scikit-learn, SciPy, Matplotlib, Seaborn, NetworkX, Pickle, Visualization Tools (Peak Detection, Visibility Graphs).
 - Classifies health status using BVP and ACC signals of PPG-Dalia Datasets.
 - Preprocessing techniques include segmentation, normalization, and resampling.
- **DOG vs CAT IMAGE CLASSIFICATION**  (January 2025 - February 2025)
 - Python, TensorFlow, Keras, Google Colab, PIL, ImageDataGenerator (for data augmentation), CNN.
 - Image Classification of Dog and Cat images using TensorFlow, Keras.
 - Preprocessing techniques include normalization, resizing, and data augmentation.

INTERNSHIPS

MACHINE LEARNING INTERNSHIP INTERNSHIP STUDIO.

-  March 2025 - April 2025
- Python, Scikit-learn, Matplotlib, Seaborn.
 - Developed regression models (Linear, Ridge, Random Forest, Lasso, KNN, Decision tree) to predict student math scores.
 - Preprocessing techniques include OneHot Encoding (for categorical variables), Standardization using StandardScaler.

EDUCATION

Master of Computer Applications CENTRAL UNIVERSITY OF KARNATAKA  August 2023 - June 2025  83.13 %	Bachelor of Science(Physics Hons.) BAJKUL MILANI MAHAVIDYALAYA, W.B  July 2017 - October 2020  6.83 CGPA	Class XII KENDRIYA VIDYALAYA NO.2, BBSR  April 2016 - April 2017  68 %	Class X KENDRIYA VIDYALAYA NO.2, BBSR  April 2014 - March 2015  9.8 CGPA
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TECHNICAL SKILLS

- **Languages:** C, Python, Java, JavaScript, HTML, and CSS.
- **Data Structures & Algorithms:** Problem-solving using arrays, linked lists, trees, graphs, stacks, queues, sorting, searching, recursion.
- **Databases:** SQL, MongoDB.
- **Version Control & Tools:** Git, GitHub, VSCode, Google Colab.

TECHNICAL CERTIFICATIONS

NPTEL Certification on Cloud Computing <ul style="list-style-type: none">• May 2024• Issued by IIT Kharagpur	Computer Networks & Cyber Security Threats <ul style="list-style-type: none">• February 2024• Issued by Central University of Karnataka
Microsoft Certified: Azure Fundamentals <ul style="list-style-type: none">• November 2023• Certification Number : I505-1078	Ethical Hacking Essentials(EHE) <ul style="list-style-type: none">• November 2022• Certification Number : 9.2233720368538E+18

EXTRACURRICULAR CERTIFICATE

Relevance Of IKS in Academia <ul style="list-style-type: none">• May 2025• Issued by Bharatiya Shikshana Mandal	Ankur- SCS Cricket team <ul style="list-style-type: none">• April 2024• Issued by Central University of Karnataka	Blood Donation <ul style="list-style-type: none">• December 2023• Issued by GIMS Blood Bank
National Campaign on Updating Cum Verification of Peoples' Biodiversity Registers <ul style="list-style-type: none">• May 2023 - June 2023		