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Pranavi Singh
Student at Symbiosis International University

ACADEMIC PROFILE

Symbiosis Institute of Technology, Pune, India　　　　　　　　　　　　　　　　　　　　**Aug 2022 - May 2026**

Bachelor of Technology (B. Tech), Computer Science and Engineering | **GPA: 8.97 / 10.00**

Achievements: Ranked 1st in B. Tech CSE Department in Semester 1 and Semester 3. Ranked 2nd in Semester 4. Participated in Amazon ML Hackathon 2024, Bajaj HackeRx 5.0, Smart India Hackathon'24, Eatsure Cloud'24 Hackathon Semifinalist, Smart India Hackathon'23, Flipkart Runway'23. Part of Google Cloud Career Launchpad Program.

Courses: Data Structures, Algorithms, Discrete Mathematics & Graph Theory, Programming in C, Programming and Problem Solving, Programming Paradigms, Computer Organization, Operating Systems, Database Management Systems, Computer Networks, and System Design.

SKILLS

Python, Java, C, C++, SQL, JavaScript, HTML, CSS, DBMS, MySQL, Oracle, MongoDB, PostgreSQL, SQL Server, Azure, Artificial Intelligence, Data Visualization, Machine Learning, Windows, Unix/Linux, Data Structures and Algorithms, Web Development, Agile Methodology, WordPress, Game Development, Digital Marketing, Public Speaking, Analytical Reasoning, Computer Networks, Power BI, Google Analytics, Figma.

PROFESSIONAL EXPERIENCE

Research Assistant - Symbiosis Institute of Technology, Pune　　　　　　　　　　　　　　**Feb 2023 - Present**
- Developed predictive models on the Global Energy Consumption Dataset using techniques such as linear regression, Bayesian regression, LSTM, Convolutional Neural Networks (CNN), and XGBoost. That depicted around 14% better results than previous researches carried out on the same dataset.
- Analyzed production and consumption trends over two decades, exploring correlations with GDP growth and GDP per capita.

Project: Human City - A Canada-based startup, Toronto, Canada　　　　　　　　　　　　　**Jun 2024 - Sept 2024**
- Collaborated with developers and analysts worldwide and built scalable open-souce products for the company by using React Native, Python & MongoDB; improved database efficiency by 30%, enabling faster data retrieval for analytics and decision-making.
- The frontend and backend were developed, and a widget was created while collaborating virtually with professionals from Canada, gaining valuable office experience.

Developer Intern (Full-Stack) - META CRAFTLAB Pvt. LTD, Mumbai　　　　　　　　　　　**Jun 2024 - Jul 2024**
- Collaborated with a team to design, develop, and implement full-stack web applications like Notes-App and Instagram Clone, handling both front-end and back-end tasks using Svelte, while contributing to projects like the company's official website.
- Participated in team meetings, code reviews, and brainstorming sessions, ensuring high-quality standards and alignment with company goals.

Industrial Trainee - Rashtriya Chemicals & Fertilizers Ltd, Thal　　　　　　　　　　　　　**May 2024 - Jun 2024**
- Proficiently managed and maintained diverse networking equipment, including servers, switches, routers, firewalls, and surveillance systems (CCTVs and Access Points).
- Actively engaged in critical business systems, including SAP, Intranet applications, Hospital Management systems, and Salesforce.

Volunteer Experience - Symbiosis Institute of Technology, Pune　　　　　　　　　　　　　**Aug 2022 - Mar 2023**
- Arts and Culture Volunteer, REVERB Fest: Transformed festival environments with immersive thematic designs, leading to a 40% increase in attendee engagement and satisfaction. Played a key role in ideation and execution, earning the 'Best Volunteer' award.
- Symbi TechFest '23: As Co-Head, publicized the event, visited various colleges to promote it, and managed social media outreach for the event.
- Tech Model Making, Symbi TechFest '22: Designed efficient models emphasizing renewable energy solutions, enhancing team collaboration and project management, and receiving positive feedback from attendees and judges.

PROJECTS

Predictive Model on Skin type-wise suitable Product Prediction
- Developed machine learning and deep learning models to predict suitable skincare products based on skin types by using many Python Libraries.
- Analyzed trends influenced by environmental factors, lifestyle, and skin concerns across various age groups.

AI Chatbot for Department of Justice Website
- Created a virtual chatbot assistant to help with basic legal queries for new visitors to the Department of Justice website.
- Designed to provide seamless user interactions, enhancing accessibility and efficiency in addressing public queries.

Social-media-app (Vibe-ly)
- Developed an app named "Vibe-ly," a social media platform designed to enhance online community interaction through features like post sharing and profile updates.
- Achieved a prototype with full essential functionalities as measured by successfully conducting beta testing with over 100 users by incorporating user feedback into iterative design improvements.

Dodge the Pipes – Marine Edition
- Engineered "Dodge the Pipes - Marine Edition," an endless runner game inspired by Flappy Bird, utilizing Python and the PyGame library.
- Enhanced player engagement and retention by a 50% increase in daily active users by introducing new levels and obstacles based on player feedback and game analytics.

CERTIFICATIONS

Data Analytics Professional Certificate -Google, Issued July 2024	Project Management Professional Certificate -Google, July 2024
Introduction to Statistics - Stanford University, Issued Mar 2024	SQL (Basic, Intermediate, Advance) - HackerRank, Issued June 2024
MongoDB for SQL Experts - MongoDB, Issued Feb 2024	Python Basics - University of Michigan, Issued Feb 2020
Researcher Management & Leadership Training- CU Boulder Mar 20	Microsoft Azure Essentials - Great Learning Academy, Issued Sept 2024
What is Data Science? - IBM, Issued Dec 2023	Google Analytics for Beginners – Google Analytics Academy, 2024
Networking Essentials - Cisco, Issued Apr 2020	Cybersecurity Essentials - Cisco, Issued Apr 2020
Building a Website using WordPress – Cousera' 23	Advanced Learning Algorithms – Coursera Issued Jan 2024