



ABHISHEK BANSAL, RA2111003030138

Course : **B.Tech**, CSE, 2025

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ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS X	Arwachin Bharti Bhawan Senior Secondary School	CBSE	88 %	2019
CLASS XII	Arwachin Bharti Bhawan Senior Secondary School	CBSE	91.6 %	2021
B.Tech	SRM Institute of Science and Technology - Modi Nagar Campus		9.69 CGPA	2025

Subjects / Electives	Data structures and algorithms, Object Oriented Programming, Design and analysis of algorithms
Technical Proficiency	Communication Skills, React.js, AngularJS, NextJS, C Programming, Spring Boot, HTML + CSS, PyTorch, Ruby on Rails, Solidity (Ethereum), Web3, Java, JavaScript, Tensorflow, Flutter, C++ Language

SUMMER INTERNSHIP / WORK EXPERIENCE

Software Development Intern, JP Morgan Chase & Co.	May 2024 - Jul 2024
I'm thrilled to share that I've secured an internship as a Software Development Engineer (SDE) at JPMorgan Chase & Co., following my success as a finalist in a hackathon. This opportunity not only aligns with my career aspirations but also offers a chance to apply my technical skills and knowledge in a dynamic environment. JPMorgan Chase & Co.'s prominent position in the financial sector and its commitment to innovation make it an exciting place to learn and grow. This internship presents a valuable chance to network with industry professionals, enhance my personal and professional development, and ultimately make a meaningful impact. I'm eagerly looking forward to the start of my internship and the opportunities it will bring. I want to express my gratitude to everyone who supported me on this journey.	
AI ML Intern, Eduskills Foundation	May 2023 - Jul 2023
1. Hands-on Experience: During the AI/ML internship, I gained invaluable hands-on experience in applying machine learning and artificial intelligence techniques to real-world problems.	
2. Collaborative Environment: The internship provided a highly collaborative and supportive environment. I had the chance to work with a team of experienced data scientists and machine learning engineers who guided and mentored me throughout the internship.	
3. Real-World Applications: One of the most rewarding aspects of the AI/ML internship was the opportunity to work on projects with real-world applications..	

PROJECTS

Student Attention Detection - ML , Python , Tensorflow , Pytorch	Sep 2023 - Nov 2023
In modern educational settings, ensuring student engagement and attention is crucial for effective learning. However, monitoring and gauging student attention in real-time can be challenging for teachers, especially in large classrooms or remote learning environments. To address this issue, the task is to develop a Machine Learning (ML) model for Student Attention Detection. The goal of this project is to design and implement an ML model that can accurately detect whether a student is attentive or not during educational activities, such as lectures, online classes, or group discussions. This model should analyze various input data sources and provide insights into whether a student is actively engaged or distracted.	

Inventory Management - ML , Tensorflow , Pytorch, Python	Sep 2023 - Oct 2023
I enthusiastically participated in a Hackathon powered by Intel in collaboration with Awiros. This hackathon provided a dynamic platform for innovative problem-solving, where I had the opportunity to leverage machine learning to address real-world challenges in inventory management.	

Problem Statement: I was tasked with developing a machine learning model to optimize inventory management processes. The challenge involved predicting demand, reducing excess inventory, and ensuring products were always available when needed.

Screen Reader Advanced - Screen Reader ML OCR Python	Jun 2023 - Jul 2023
<ul style="list-style-type: none"> ◦ While working on hackathon on JP Morgan Chase & Co. our team developed a project which was helpful for partially blind people to read on the specific text on the screen. ◦ It was created in Python and using Pytorch as machine learning backend. It reads the text below the cursor when hovered over a paragraph. ◦ We Used Machine Learning to make a paragraph and image detection, and Image Captioning to tell the description of the image 	

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION

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Cybersecurity Essentials	Cisco	<p>Foundational knowledge of cybersecurity, including the basics of network security, encryption and cybersecurity laws.</p> <p>Introduction to tactics and techniques used by Black Hats, and the principles of Confidentiality, Integrity, and Availability used by White Hats to defend networks.</p>
AWS Academy Graduate - AWS Academy Machine Learning Foundations	Amazon Web Services Training and Certification	<ul style="list-style-type: none"> ○ Explanation of what machine learning is teaching computers to learn from data. ○ Overview of supervised learning ○ Mention of reinforcement learning (learning by trial and error) and its applications like game playing ○ Importance of quality data for machine learning ○ Cleaning and organizing data to make it suitable for training models.
AWS Academy Graduate - AWS Academy Cloud Foundations	Amazon Web Services Training and Certification	<ul style="list-style-type: none"> ○ Definition of cloud computing and its benefits. ○ Comparison between traditional on-premises infrastructure and cloud-based infrastructure. ○ Overview of AWS as a leading cloud service provider. ○ Explanation of AWS's global infrastructure and availability zones. ○ Introduction to key AWS services, such as compute, storage, database, networking, and more. ○ Explanation of Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) models.
JP Morgan Chase & Co. Software Engineering Virtual Experience	Forage	<ul style="list-style-type: none"> ○ Identify the source of the stock price data feed, whether it's a real-time data provider or a simulated data source. ○ Implement a data retrieval mechanism that fetches stock price data on a regular basis, ensuring it's up-to-date. ○ Research and identify the specific frameworks and tools provided by JPMorgan Chase & Co. for data processing, visualization, and UI development. ○ Leverage these tools to streamline your development process and ensure compatibility with the company's technology stack.
Introduction to Cybersecurity	Cisco	<ul style="list-style-type: none"> ○ Definition of cybersecurity and its role in protecting digital information. ○ Explanation of the increasing importance due to the digitalization of society. ○ Overview of common cyber threats viruses, malware, phishing, ransomware. ○ Explanation of attack vectors: email, websites, social engineering. ○ Confidentiality, integrity, and availability (CIA) triad. ○ Least privilege, defense in depth, and security by design.

COMPETITIONS

University Coding Portal

Was on the first place on Coding Portal of my University

Kodation GFG Coding Competition

Took Part in a Coding Competition Organised by Geeks for Geeks and won the first place in it

Codechef Coding Competition

Took part in Codechef Coding Competition and won the runner up position

Code For Good

Took Part in Code For Good Hackathon organized by JP Morgan Chase and Co. and was part of the finalist in it.

PERSONAL DETAILS

Date of birth: 28 February 2004	Father's name: pravesh kumar bansal
Permanent address: A 1102 10th floor supertech rameshwar orchid, Kaushambi, Ghaziabad, near yashoda hospital, ghaziabad, Ghaziabad, Uttar Pradesh, PIN - 201010	Languages known: Hindi, English
Permanent contact number: 7982444610	Nationality: Indian
Passport availability: Yes	