



ARNAV SHAH
B.Tech. - Computer Science & Engineering
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BRIEF SUMMARY

I am a Final Year Computer Science Student at SRM Institute of Science and Technology. I continually relish exploring diverse domains within the tech industry. To date, I've gained hands-on experience across Machine Learning, Web Development, Mobile App Development, and Low/No Code Platforms. I also enjoy engaging with individuals from diverse fields, as their expertise often imparts valuable lessons and insights to me. Lastly, I have a deep passion for problem-solving, as it allows me to unleash my innovative capabilities.

KEY EXPERTISE

Java Python C++ SDLC SQL Swift Flutter Javascript Angular Github Firebase NumPy
ServiceNow Tensorflow OpenCV ML Agile PyTorch API

EDUCATION

SRM Institute of Science & Technology, Kattankulathur B.Tech. - Computer Science & Engineering CGPA: 9.21 / 10	2021 - 2025
Kendriya Vidyalaya Mysuru, Mysuru 12 th CBSE Percentage: 88.20 / 100	2021
NPS International School Mysuru, Mysuru 10 th CBSE Percentage: 88.40 / 100	2019

INTERNSHIPS

Infosys IT Product & Services iOS Application Development Intern Key Skills: Swift Firebase JIRA Agile Scrum <ul style="list-style-type: none">Learnt and implemented Agile methodologies at Infosys, significantly improving project efficiency through iterative development cycles.Led the development of the 'MedNex' app, resulting in high user satisfaction with a SwiftUI frontend and Firebase backend.Boosted team productivity by fostering effective communication and coordination in a collaborative environment at Infosys.	15 Apr, 2024 - 10 May, 2024
Samsung R&D Institute IT / Computers - Software Research Intern Key Skills: Python OpenCV Tensorflow NumPy <ul style="list-style-type: none">Worked on the topic 'Monochrome Augmented Low-Light Image Enhancement' under the guidance of the Samsung Camera Solutions Group.Curated a dataset with over 1500 image sets and trained a model using Convolutional Neural Network techniques, achieving high accuracy.Collaborated in the program with students, professors, and Samsung mentors, gaining hands-on experience in real-based projects.Learned Machine Learning concepts and am in the process of publishing a research paper on the topic.	15 Sep, 2023 - 28 Mar, 2024
Eduskills Google for Developers E-Learning / Edtech AI-ML Virtual Internship Key Skills: Python OpenCV NumPy Tensorflow <ul style="list-style-type: none">Achieved mastery in TensorFlow with specialized badges in object detection, image classification, and product image search.Demonstrated practical proficiency by significantly enhancing product image search accuracy through hands-on training.Showcased continuous learning by completing over 10 advanced AI-ML tasks and projects, securing a total of 6 badges.	10 Jan, 2024 - 15 Mar, 2024
ExcelSoft Technologies Pvt. Ltd. IT / Computers - Software Project Intern Key Skills: Angular .NET SQL <ul style="list-style-type: none">This was a full stack Web Development internship where I got to work under professionals from ExcelSoft TechnologiesI created an Employee Management Website using Angular for Front-end and .NET for Back-end.I got to learn industry practices like using Clean Architecture to structure code, using Material libraries to make work easier.	10 Jun, 2023 - 15 Jul, 2023

PROJECTS

MedNex

15 Apr, 2024 - 10 May, 2024

Team Size: 9

Key Skills: Swift Firebase JIRA Agile Scrum

Project Link: https://github.com/arnavkshah15/MedNex_Patient

MedNex is a fully functional application created for created for 3 user personas - Doctors, Patients & Administrators. Fully deployable and seamlessly integrated, all 3 applications for all the user personas work in tandem

CrewCrafter

10 Sep, 2023 - 15 Mar, 2024

Key Skills: Swift Firebase

Project Link: <https://github.com/arnavkshah15/CrewCrafters>

- Traditional methods for identifying suitable teammates for hackathons have a low success rate.
- CrewCrafter, built with a SwiftUI frontend and Firebase backend, simplifies team creation and achieves a high success rate in forming optimal hackathon teams.
- The platform fosters collaboration and innovation among team members.

Daily Reflections

10 Jan, 2024 - 10 Feb, 2024

Key Skills: Swift Machine Learning

Project Link: https://github.com/arnavkshah15/Daily_Reflections

Crafted an iOS app utilizing Core ML to analyze daily reflections based on three input questions, offering personalized insights into strengths and weaknesses

It encourages self-reflection by guiding users through organised questions that capture daily ideas, insights, and lessons for personal improvement.

Virtual Mouse

15 Oct, 2023 - 15 Nov, 2023

Mentor: Dr. Deepajothi S | Team Size: 3

Key Skills: Python OpenCV NumPy Pandas

Project Link: <https://github.com/arnavkshah15/Virtual-Mouse>

- Developed the AI Virtual Mouse using Python and OpenCV, employing computer vision techniques to track hand movements and translate them into cursor movements on the screen.
- Implemented robust image processing algorithms including hand segmentation, feature extraction, and classification to ensure usability across various lighting conditions, backgrounds, and hand sizes.
- Provides an intuitive alternative to physical mouse devices, particularly beneficial for individuals with disabilities or those seeking a more natural computer interaction method, achieving high accuracy and operational efficiency with minimal hardware requirements.

Employee Management Website

10 Jun, 2023 - 20 Jul, 2023

Key Skills: Angular .NET SQL

Project Link: https://github.com/arnavkshah15/Employee_Management_Website

Built a user-centric platform with Angular, .NET, and SQL to streamline employee data management operations and reduce processing time by 40%.

Integrated Clean Architecture principles, which enhanced code maintainability and scalability.

IngredientIQ

10 May, 2023 - 20 May, 2023

Key Skills: HTML CSS Javascript API

Project Link: <https://github.com/arnavkshah15/IngredientIQ>

Our application optimises ingredient consumption by recommending meals, promoting sustainability and reducing food waste.

It encourages health and fitness by providing calorie-conscious recipes adapted to individual dietary requirements, hence encouraging healthier living.

Handy Code

15 Mar, 2023 - 20 Apr, 2023

Key Skills: Flutter

Project Link: https://github.com/arnavkshah15/handy_code

- Coding on Mobile is tough so to solve this issue we came up with Handy Code
- Handy Code simplifies mobile coding, boosting developer productivity by providing instant access to boilerplate code segments, resulting in a 50% reduction in coding time.

Flutter & Dart - The Complete Guide [2023 Edition]

Key Skills: Flutter

Comprehensive training in Flutter and Dart, covering all aspects from fundamentals to advanced techniques

Basic Python Programming

Key Skills: Python

Introduction to fundamental Python programming concepts and syntax

Python Essentials I

Key Skills: Python

Foundational course covering essential Python programming skills and concepts.

The Joy of Computing Using Python

Key Skills: Python, Numpy, Pyplot

Discovered the joy of computing with Python through activities like data plotting with various libraries and game development.

Networking Basics

Key Skills: Computer Networks

Foundational understanding of networking principles and concepts.

Java Programming

Key Skills: Java, OOPS

Comprehensive instruction covering all Java programming concepts, including object-oriented programming (OOP) principles

AWS Machine Learning

Key Skills: Amazon Sagemaker, AWS, ML

Exploration of AWS Machine Learning services, including SageMaker, for practical applications and implementations.

AWS Cloud Foundation

Key Skills: AWS, Cloud Services

"Introduction to AWS Cloud services such as EC2 and S3, covering essential concepts and practical usage.

Certified Application Developer

Key Skills: ServiceNow Javascript

Developed scripts using JavaScript to automate tasks and enhance functionality across web applications on ServiceNow platform

Fundamentals of Agile Project Management

Key Skills: Agile Project Management Skills

Applied Agile project management principles using tools like Jira for effective team collaboration and project tracking.

Certified System Administrator

Key Skills: ServiceNow

Certified System Administrator specializing in ServiceNow, proficient in configuring and maintaining platform functionality.

Deep Neural Networks with PyTorch

Key Skills: Python PyTorch

Learnt how to build and use Deep Neural Networks with PyTorch, covering everything from model design to training and deployment.

POSITIONS OF RESPONSIBILITY

Technical Head - Newton School Coding Club SRM

- NSCC SRM is a college club that strives to help students improve their skills by working in fields such as Machine Learning, Web Development, UI/UX, Sponsorship, and so on.
- As Technical Head, I oversaw all aspects of the technical side, which included web and app development, machine learning, and competitive programming.
- I led the team in working on several projects, including the Club website nscsrm.tech and others. We also hold workshops in college to help students improve their skills.

SEMINARS / TRAININGS / WORKSHOPS

301 Redirect (Web Development) Institute Name: Cherry Network,SRMIST

Key Skills: HTML5 CSS

It provided a foundational understanding of HTML for creating the structure and content of web pages, emphasizing the use of tags, elements, and best practices for building web content. The workshop covered CSS to teach participants how to enhance the visual design and layout of web pages, including text formatting, color schemes, and page structure.

Getting Job Ready During College Years

Institute Name: NPTEL

Key Skills: Networking Resume Writing

The workshop highlighted the value of networking in college, which can lead to job opportunities and connections in your field. It emphasized the importance of continuously developing skills relevant to your chosen career.

The World of AI: Introduction to Computer Vision

Institute Name: Aarush'21 || SmartBridge

Key Skills: Computer Vision

The workshop offered participants an extensive introduction to the principles and applications of computer vision technologies, providing valuable insights into image processing, object detection, and pattern recognition techniques

EXTRA CURRICULAR ACTIVITIES

- Swimming

PERSONAL INTERESTS / HOBBIES

- Writing Song Lyrics, Singing

WEB LINKS

- Github - <https://github.com/arnavkshah15>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: A-1, House No.27, 2ndCross, Gokulam 3rd Stage, Mysuru, Karnataka, India, Mysuru, Karnataka, India - 570002

Emails: ak0339@srmist.edu.in , arnavkshah2003@gmail.com

Date of Birth: 15 Mar, 2003

Known Languages: Hindi, English

Permanent Address: F/8, Prem Society, Behind Sujata Flats, Shahibaug, Ahmedabad, Ahmadabad, Gujarat, India, Ahmedabad, Gujarat, India - 380004

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