SACHIN JHA

📍 Noida ✉ jhasachin1307@gmail.com 📞 +91 9650411734 in Sachin Jha ○ sachinjha02

Summary

Motivated and results-driven aspiring Software Engineer with a solid foundation in full-stack development, data structures, and modern frameworks. Passionate about building scalable, impactful products and solving real-world problems through clean, efficient code. Eager to contribute to fast-paced, innovation-driven teams while continuously learning and delivering meaningful impact.

Education

Degree	Institute / Board	Year
B tech	Jss Academy of Technical Education Noida / AKTU	2021-2025
Class XII	Shri Pm Kendriya Vidyalaya (Ghaziabad) / CBSE	2020-2021
Class X	Shri Pm Kendriya Vidyalaya (Ghaziabad) / CBSE	2018-2019

Experience

Software Developer Internship   *July 2024- August 2024*
Kratos Gaming Network   *Bangalore, Karnataka*
- **Enhanced website accessibility and navigation**, leading to a **25% increase in user retention** by developing and optimizing responsive front-end components using React and modern **UI/UX** practices.
- **Maintained and scaled backend infrastructure** using Node.js and AWS, ensuring **99.9% uptime and smooth operations** during a **3x** user traffic spike.
- **Led integration of blockchain, Web3, and NFT functionalities**, collaborating with design and product teams to launch features that boosted **user engagement by 35%** within the gaming community.

Software Developer Internship   *January 2024- June 2024*
Nimbus Adcom Private Limited   *Noida, Uttar Pradesh*
- **Developed and optimized scalable, user-centric web applications** for 10+ clients across various Industries, resulting in **average client satisfaction scores of 95%.**
- **Built robust full-stack solutions** using React, Node.js, and MongoDB, reducing development time by **30% through reusable component architecture.**
- **Refined development workflows and toolsets**, adopting Agile methodologies and CI/CD practices to ensure **on-time delivery of 100% of assigned projects** over a 6-month period.

Research and Development Intern   *July 2023 – August 2023*
Ellipsol Systems Private Limited   *Gurugram, Haryana*
- **Designed and implemented an Arduino-based IoT system** for a smart water bottle, enabling **accurate real-time tracking of user water** intake through sensor integration.
- **Collaborated with cross-functional teams** (hardware, firmware, and **UX**) and conducted end-to-end testing, ensuring a **highly reliable and user-friendly final product.**
- **Achieved a 90%+ accuracy rate in hydration tracking,** contributing **to increased user engagement and health-conscious behavior adoption** during pilot testing.

Projects

NutriScan – Smart Nutrition Assistant   *GitHub Link*
- Built a scalable Android app using **Kotlin** with real-time **API** integration to scan barcodes, access menus, and analyze recipe-based nutrition.
- Designed intuitive **UI/UX** with **AR** food insights, custom profiles, and fitness sync, promoting user engagement and health-focused choices.
- Tools Used: Kotlin, Firebase, REST APIs

Churn-Prediction   *GitHub Link*
- Built predictive models using **Linear Regression, K-Neighbors, and Random Forest** to forecast customer churn in banking.
- Optimized model performance with ensemble methods and enriched predictions using **demographic and transactional data**.
- Tools Used: Python, Scikit-learn, Linear Regression, K Neighbors and Random Forest

AI Image Caption Generator   *GitHub Link*
- Developed a deep learning system using **PyTorch** with a **CNN-LSTM + attention** architecture to generate meaningful captions for images.
- Built a full ML pipeline with custom data loaders, training loops (TensorBoard), and evaluation metrics.
- Deployed the model via a **Gradio web app** for real-time captioning and managed large files using **Git LFS** for smooth version control.
- Tools Used: Python, PyTorch, TensorBoard, Gradio, CNN-LSTM, COCO Dataset.

Technologies

Languages: C, C++, Python, Java, JavaScript, SQL, Kotlin, Dart

Web Technologies: HTML5, CSS3, React js, Next js, Node.js

Databases: MySQL, MongoDB, Firebase

Leadership Positions

Mentor – STEM Education Program *July 2025 – Present*
iExplore Foundation (Innovators for Tomorrow) *Remote*
- Mentoring school students across India in **STEM** innovation, guiding them in developing prototypes and applying creative problem-solving and supporting students in exploring real-world tech applications and building confidence in future-ready skills.

Chairperson *May 2024 – June 2025*
IEEE JSSATEN Student Branch *Noida, Uttar Pradesh*
- Led student branch activities, organized technical events, and fostered a culture of learning and collaboration within the tech community.

Core Lead *July 2024 – Present*
StarkSeek *Noida, Uttar Pradesh*
- Driving community engagement, leading technical projects, and mentoring aspiring developers as part of a fast-growing tech platform.

Achievements

- Invited as a **Mentor** for **Tech-X Hackathon** (DBU University) and **Startup-X** (Ashoka University).
- Invited as a **Mentor** for **HackArena** (IIIT Delhi) and **CodeForge Hackathon** (Microsoft Office Noida).
- Invited as a **Judge** for **Electrothon 7.0** (NIT Hamirpur), **AM Hacks** (IGDTUW) and **GIH** (Galgotia College of Engineering).
- **Winner** of **Hacknovate 5.0** Hackathon at ABES IT and **Flipkart grid 5.0** Finalist.
- Achieved **Global Rank: 4029 | National Rank: 2311** in **IEEEXtreme 17.0**.

Certifications

- Completed **Google Cloud Fundamentals** course by **Google** *Certificate*
- Completed **Career Essentials in Generative AI** by **Microsoft &LinkedIn** *Certificate*
- Completed **Programming with C++ Language,** by **Udemy** *Certificate*