**Himanshu Gupta**

Email: [work.himanshu1720@gmail.com](mailto:work.himanshu1720@gmail.com) | Contact: +91-84272-64093 | Social Links: [LinkedIn](https://www.linkedin.com/in/geekyhim/), [GitHub](https://github.com/GeekyHim), [Documents](https://github.com/GeekyHim/Documents)

#2418 Street 7, Kishore Nagar, Tajpur Road, Ludhiana, Punjab, Pin code – 141008, India

**Career Objective**

My Passion lies in Research & Development, Computer Science, Leadership and Innovation. I have acquired reputable skills in Java, Python, CPP etc. Continuous learner focused on personal and professional development while striving for excellence. Looking forward to contribute in Research, Development and impactful projects.

**Skills**

* **Programming Languages**: Java | C/C++ | Python
* **Technical Tools**: Git | Arduino | MySQL | AutoCAD | VS Code
* **Interpersonal Skills**: Adaptability |Continuous Learner| Soft Skills | Communication Skills |Innovative Mindset | Team Leadership | Problem Solving | Critical Thinking | Public Speaking | Attention to Detail | Time Management
* **Languages**: English | Hindi | Punjabi

**Education**

* **Bachelors in Computer Science Engineering** | Chandigarh University, Gharuan | CGPA: 8.13 | [(LINK)](https://github.com/GeekyHim/University-Transcripts)
* **Higher Secondary Certificate (CBSE)** |Green Land Convent School, Ludhiana | Percentage: 87% | [(LINK)](https://drive.google.com/file/d/1dLiErM_natoODVqqGGtNQhev9ZBrgBog/view?usp=drive_link)
* **Secondary School Certificate (CBSE)** | Green Land Convent School, Ludhiana | Percentage: 94.2% | [(LINK)](https://drive.google.com/file/d/1D5uRuG0bUXlPeLMU1qnFTQVb4u9deesQ/view?usp=drive_link)

**Projects**

# **Guesser Java Console Game** | (December, 2024) | [(GITHUB LINK)](https://github.com/GeekyHim/Guesser-Game-Project)

# Java Console text Based Guesser game. Build using the fundamental principles of Object Oriented Programming. Features an interactive gameplay where you have to guess a number decided by other player. Built in a modular design.

# **Project: Email Application** | (November, 2024) | [(GITHUB LINK)](https://github.com/GeekyHim/Email-Application)

# Java based email account creation, generation and management application. Implementation of basic Object Oriented Programming principles such as encapsulation, data hiding, getter & setter methods etc. Focused on securing sensitive data and modular design. Features dynamic email generation, password and inbox management.

# **Spam Detection Model** | (October, 2024)

# Engaged in the development of a python based Spam classification model. Design process included cleaning of data, text vectorization and model training.

# **Working Model of PIR Motion Sensor** | (March, 2024) | [(GITHUB LINK)](https://github.com/GeekyHim/PIRMotionSensor)

# Role: Team-Lead | Overlooked the development of PIR Arduino based motion detector. Accountable for coding the logic and management of hardware and corresponding connections.

# **Prototype Model of a Medical Chat-bot** | (March, 2024)

# Role: Team-Lead | Incharge of project development, strategic guidance and support. Key role in database development, its deployment and ensuring robust performance.

**Research Projects**

# **Research Paper | AI – Powerhouse in Digital Psychiatry | (Status - Work In Progress)**

# Role: First Author | Writing a research paper exploring the impact of Artificial Intelligence on Mental Health Issues. The paper explore the potential limitations and corresponding solutions while diving deep into the current state, research and use of AIML technologies in Mental Health Sector.

# **Research Paper | Stimulation Study of Silicon Solar Cell | (Status - Work In Progress)**

# Role: First Author | This paper is aimed at a deep analysis of the recent advancements, challenges, and future possibilities of silicon solar cells. It uses SCAPS-1D software to replicate and reconstruct potential solar cell structures and examines key factors influencing the efficiency and performance of these silicon-based photovoltaic devices.

# **Research Paper | IOT in Crop Management | (Status - Work In Progress)**

# Role: First Author | The paper aims to explore the potential impact of Internet of Things (IOT) technology in the agriculture sector. It dives into the realm of IOT integration with agriculture, challenges faced and potential solutions to these challenges. The final goal is to contribute to the development of feasible solutions and aid further research.

**Honors & Achievements**

# **AMCAT Exam Ranking** | Achieved 126th rank out of 6000 students (SHL-conducted AMCAT Exam, BE CSE) at Chandigarh University, placed in the top 2% and got selected for University’s Kargil Batch, students recognized for academic and extracurricular excellence.

**Leadership & Activities**

# **Joint Secretary, C Square Club| Chandigarh University** | (January, 2025 – Present)

# Responsible for planning, organizing and conducting various event, workshop and activities, team management, keeping track of important data, fostering collaboration and innovation.

# **Class Representative, Department of Career Planning and Development (DCPD)** **| Chandigarh University** | (July, 2024 – December, 2024)

# Represented fellow peers, accountable for effective communication and student query management.

# **Core Team Anchor, Engineering Community** **| Chandigarh University** | (July, 2024 – December, 2024)

# Core Team member of the Engineering Community, responsible for creating and managing anchoring scripts, engaging audience, managing other anchor and taking lead during events.

# **Participant in Hackathons** | (July, 2024 – Present)

# Actively participated in hackathons and competitions working on projects applicable to real life scenarios.

# **Content Creation for Social Media Platforms** | (March, 2020 – August, 2024)

# Created content for social media platforms, honing skills such as storytelling, people engagement, community management, brand management etc.

# **Video Editing and Graphic Designing** | (March, 2020 – August, 2024)

# Creation & editing of video and graphic content boosting audience engagement, moreover, acquiring proficient skills in Adobe Premiere, Canva etc.

**Certificates, Awards & Participations**

# **Code++ | CPP Peer Learning Workshop** **| C Square Club | Chandigarh University** | (February, 2025)| [(LINK)](https://github.com/GeekyHim/CPP-Workshop-by-C-Square)

# Conducted a CPP Peer Learning Coding Workshop, the workshop targeted 1st and 2nd Year students, introducing them to core concepts, helping them build logics and algorithms.

# **MobiCraft | Mobile and App Development Workshop | C Square Club | Chandigarh University** | (January, 2025)

# Participated and Coordinated MobiCraft – A mobile and app development workshop aimed to introduce students to the world of mobile development and industry practices.

# **Data Analytics Bootcamp|** **National Institute of Technology, Trichy | Unstop** **Platform**| (December, 2024 – January, 2025) | [(LINK)](https://github.com/GeekyHim/Documents/blob/main/NIT%20boot%20camp%20Himanshu%20Gupta.pdf)

# Data Analytics boot camp organized by [180DC NITT](https://www.linkedin.com/company/180-degrees-consulting-nit-trichy/posts/?feedView=all). Learned about data analytics, MS Excel and MySQL. Gained hands-on experience by working on sample real world projects and assignments.

# **Google DevFest 2024 Participation** **|** **Chandigarh University** | (December, 2024)

# Participated in Google DevFest 2024, Connected with industry experts, attended various sessions and worked on enhancing technical knowledge and development.

# **Web and Mobile App Development Workshop** |**iHUB Divya Sampark** **|Chandigarh University** | (October, 2024) | [(LINK)](https://github.com/GeekyHim/Documents/blob/main/Web%20and%20Mobile%20App%20Development%20Workshop%20.jpeg)

# Participated in the workshop gaining hands-on experience on Web and Mobile Development.

# **Broken Console | C Square Club | Chandigarh University**

# Gained hands-on experience in unity game development and worked on a sample mini-game project.

# **Code Strike | C Square Club | Chandigarh University**

# Peer learning workshop on Ethical Hacking organized by C Square. Gained Basic knowledge and valuable insights about ethical hacking, hacking as a career, bounty hunting and SQL Injection techniques.

# **IPR & Patent and Design Filing Workshop under NIPAM in association with RGNIIPM** **|Chandigarh University** | (September, 2024) | [(LINK)](https://github.com/GeekyHim/Documents/blob/main/IPR%20%26%20Patent%20and%20Design%20Filing%20Workshop%20under%20NIPAM%20.jpeg)

# Gained insights on Intellectual Property Rights (IPR), Patent fillings and Design fillings. Also learned about IPR protection etc.

# **Research Paper Writing Workshop Participation | Chandigarh University** | (September, 2024) | [(LINK)](http://github.com/GeekyHim/Documents/blob/main/Research%20Paper%20Writing%20Workshop%20Certificate.pdf)

# Discussions about the basics of writing and crafting papers. Furthermore, gained knowledge about differences between Review & Research papers and valuable tools in research field. The workshop was conducted by [Dr. Abhishek Pandey](https://www.linkedin.com/in/dr-abhishek-pandey-ba6a6a64/).

# **10 hour LEVEL-1 Machine Learning Workshop** **| Chandigarh University** | (August, 2024) | [(LINK)](https://github.com/GeekyHim/Documents/blob/main/MLWorkshopCertificate.jpeg)

# Attended Machine Learning and Artificial Intelligence Fundamentals workshop. Learned about various python libraries & their uses etc.

# **Techkathon 3.0, Internal Hackathon** **|Chandigarh University** | (July, 2024) | [(LINK)](https://github.com/GeekyHim/Documents/blob/main/SIH%20Certificate.jpeg)

# Took part in Chandigarh University Internal hackathon. Worked on real world project as a part of the “Team Not Found” team.

# **IEEE CSIS 2023** **| Chandigarh University** | (August, 2023)

# Took part in the Computer Science Symposium. Networked with various individuals and gained knowledge about trending topics & technologies.

**Other Projects and Activities**

# **Data Structures and Algorithms** **| (Status - Work In Progress)**

# I am working on mastering Data Structures & Algorithms using Java and enhancing my problem solving skills. For this, I have enrolled in the "Decode Java with DSA" course being provided by Physics Wallah Skills.

# **Cloud Computing Course| (Status - Work In Progress)**

# Aiming to keep myself updated with latest trends and technologies, I have enrolled in the "Cloud Computing Fundamentals" course being provided by IIT Kharagpur. The course is being taught by Prof. Soumya Kanti Ghosh on NPTEL.

# **Full Stack Development| (Status - Work In Progress)**

# Development is an essential part of computer science engineering. Looking forward to tackling the world of development, investing time and energy in learning as well as mastering full stack development.

**References**

# **Dr. Ruchika Gupta**

# Professor & Associate Director – Research & Outreach

# Computer Science & Engineering Department

# Chandigarh University, Gharuan, Punjab

# Email: [ruchikae7396@cumail.in](mailto:ruchikae7396@cumail.in)

# Phone: +91-85111-05298

# **Dr. Lokesh Pawar**

# Associate Professor

# Department of Computer Science Engineering

# Chitkara University, Rajpura, Punjab, India

# Email: [lokesh.pawar@chitkara.edu.in](mailto:lokesh.pawar@chitkara.edu.in)

# Phone: +91-90418-90007

# **Dr. Savita Kashyap**

# Institute Postdoctoral Fellow (IPDF)

# National Centre for Photovoltaic Research and Education (NCPRE)

# Department of Electrical Engineering

# Indian Institute of Technology Bombay (IIT Bombay), Mumbai, India

# Email: [savitakashyap473@gmail.com](mailto:savitakashyap473@gmail.com)

# Phone: +91-87080-30145

**Volunteer Experiences**

# In my academic as well as personal life, I have always been keen to take part in various activities. This has led me to provide my assistance in a variety of things. I have helped many of my juniors navigate academic life, study for exams, completing assignments and projects. I have helped in event management, societal activities, maintenance etc. Furthermore, I have also contributed in handling equipment and systems such as microphones, sound systems, PCs. All of this has made me understand the value and essence of team work and community feeling. Moreover, it has fostered the development of leadership, management, team skills, soft skills, people skills etc. into my personality.

**Personal Interests**

# **Book Reading**

# I have always been a curious child, this led me to ask multiple questions about everyday objects and behaviors. All this soon led me into developing a reading habit as a means of satisfying my curiosity and thirst for knowledge.

# **Communication**

# I feel talking to people and chatting with them on various topics opens me to different perspectives of the world. I love to witness the world through these perspectives and understand how others view it. This habit of mine has led me into becoming very social and interacting with everyone. Communication and interactions hold a significant place in my life whether it is with peers, professors or industry professionals.

# **Exploration**

# I have a strong desire for knowledge. It is because of this desire I have stepped into the world of research and development as well as I strive for understanding more deeply about my field.

# **Co-curricular Activities and Sports**

# With all this, I also enjoy time well spent with friends, family and playing sports. For this reason, I was in volleyball team of my school. I hold the values that one should always spend quality time with their friends and family.