Akshat Dalal

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Languages: Hindi (native), English (proficient)

Education

JECRC UNIVERSITY   Jaipur, Rajasthan
Bachelor of Technology, Computer Science and Engineering, CGPA 8.60/10.00   2023- 2027 (Expected)
- Select Coursework: Software Development; Quantitative Development; Web Development; Machine Learning, Deep Learning, Neural Networks, Reinforcement Learning.
- Clubs and Activities: JECRC Incubation Centre, Makerspace, MUN, Aashayein, NCC.

Awards and Honours

NATIONAL ENTREPRENEURSHIP CHALLENGE, IIT BOMBAY   Mumbai, India
Awardee   February 2024
- Created a hypothetical event on entrepreneurship summit with a team of 8 people which ranked 1st among 15000 colleges
- Skills - Interpersonal skills, Team work, Graphic designing

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Work Experience

CHIEF MINISTER OFFICE, GOVERNMENT OF RAJASTHAN   Jaipur, India
Social Media Intern   April 2024
- Identified and targeted promotional strategies for a new CMO scheme to ensure public engagement and awareness improved by 40%
- Increased efficiency by 20% by designing and implementing solutions to assist in query segregation and bias sorting of certain keywords

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Projects and Research Experience

JECRC UNIVERSITY (funding organization)   Jaipur, India
Researcher; Project lead: Prof. Ajay Kumar   October 2024 – *Present*

Project summary: Developing an advanced FDM-type 3D printer with four extruders, optimized for multi-material and multi-colour printing. This printer is designed for robust network functionality with IoT integration, allowing wireless G-Code uploads via Wi-Fi.

- Coordinating in a team of 6 students on "FDM-type 3D printer" project
- Responsible for extending the printer's accessibility and functionality by setting up a virtual server with a Raspberry Pi, enabling users to send print jobs from any location
- Working on integrating a camera module to remotely monitor the printing process in real-time
- Created 3D models, sliced them, and generated G-code files to prepare prints
- Tested, evaluated and documented experimental carbon fiber–nylon filament blends to validate the printer's versatility.

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Leadership and Activities

RISING RAJASTHAN   **GOVERNMENT OF RAJASTHAN**
(Event held at Jaipur Exhibition and Convention Centre, Jaipur)   Jaipur, India
Team Coordinator   2 December – 11 December 2024
- Coordinated with a team of 60 to manage the complete database of the event
- Monitored database integrity, security and confidentiality through monitoring and controlling user access

YOUTH SUMMIT   **FREELANCE PROJECT**
(Event held at Manipal National Institute of Technology, Jaipur)   Jaipur, India
Under Secretary Design   30 August – 1 September 2024
- Designed 430 custom placards, custom youth book for 320+ participants, identity cards for 27 judges and standy for the event [link]
- Created Instagram posts for organization's promotion and relevant information outlay which resulted in a turnover of 320+ participants from about 15 Jaipur-based schools in the first event organized by the organization [link]

AASHAYEIN   **JECRC UNIVERSITY**
(Event promotion and database)   Jaipur, India
Volunteer   5 December 2023
- Co-developed the database for Blood Donation Camp on MS Excel for 2,350 blood donors
- Managed event promotions by designing standy and social media posts to increase participation by 34.5% and donations by 19% [link]

Extra-curricular Activities

Activities with university associations:
JECRC INCUBATION CENTRE   Jaipur, India
Social Media Manager   December 2024 – *Present*
- Selection rate: 0.1%
- Analysed Instagram and LinkedIn trends for social media posts tailored with regular updates on JIC's updates including future events, speakers and entrepreneurship information
- Optimized daily reports to curate posts in collaboration with the design team
- Increased content engagement on the JIC pages across Social Networking Sites by 11%

ENTREPRENEURSHIP SUMMIT, IIT ROORKEE   Roorkee, India
Participant   February 2025
- Participated in the summit with a team of 4 in affiliation with JECRC Incubation club; **results awaiting**
- Collaborated in a team of four to prepare a business pitch for the "Strategy Showdown" competition which included but was not limited to business analysis, expected revenue generation, marketing strategy, strategies to increase scalability, user and customer acquisition

JECRC INCUBATION CENTRE   Jaipur, India
Head Graphics   October 2024 – November 2024
- Selection rate: 0.4%

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- Defined and prioritized design projects for the team of graphic designers for streamlining projects in the pipeline
- Lead design projects to improve engagement by 60%

MAKERSPACE   Jaipur, India
Member   September 2023 - *Present*
- Selection rate: 10%
- Created a line following gripper robot in a team of 4 people
- Designed posters for Makerspace carnival and other minor events [link]

JECRC UNIVERSITY MUN SOCIETY   Jaipur, India
Core Member   October 2023 - *Present*
- Selection rate: 10%; only B.Tech. student in the cohort
- Managed society event "Diplomacy Summit"
- Designed the society logo [link], poster for "Protsahan" event [link]
- Designed brochures for JUMUN society [link]
- Created content for society's Instagram page [link1; link2]

JECRC INCUBATION CENTRE   Jaipur, India
Core Member   October 2023 – September 2024
- Selection rate: 8%
- Designed 3 Newsletters (2 quarterly, 1 funding), 1 NEC Magazine and standy [link]
- Designed promotional posts for the society's Instagram page [link]
- Designed posters, standy, and jury posts for JIC's "RISE" event [link]
- Designed society t-shirts [link]

Independent participation in events:
NASA SPACE CHALLENGE   Online
Participant   5-6 October 2024
- Conducted a community mapping project through Geographic Information Systems (GIS) to facilitate informed, data-driven decisions for positive change

YOUNG INDIA SYMPOSIUM (YIS)   JECRC University, Jaipur, India
Participant   February 2024
- Participated in the symposium on theme Vision@2047

YOUNG INDIA SYMPOSIUM (YIS)   JECRC University, Jaipur, India
Designer   February 2024
- Designed one poster for "Vision@2047" event [link]

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Skills

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Languages - C++, Python, Swift, JavaScript, HTML, CSS
Technical Skills - Machine Learning with Tensorflow and Keras
Database Management - MS Access, MySQL
Tools - Git, Github, Visual Studio, Zed, Sublime text, Pycharm, Clion, Arduino IDE
Applications - Microsoft Office: PowerPoint, Excel; Adobe: Photoshop, Illustrator, After effects; Unity, Blender, Unreal Engine, AutoCAD

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