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PAVANI

CAREER OBJECTIVE

To pursue a job in biotechnology research and contribute to scientific research through my skills in molecular biology, bioinformatics, genetic engineering, and lab techniques, while continuously learning and growing professionally.

EDUCATIONAL QUALIFICATIONS

- Bachelor of Technology in Biotechnology Engineering (2023-2027) from NMAM Institute of Technology, Nitte, Karkala with CGPA 9.00
- Pre-University (2021-2023) from NSAM PU College, Nitte, Karkala with 91.6% in PCMB
- SSLC (2020-2021) from SNV High School, Hiriyangadi, Karkala with 89.6% aggregate marks

WORK EXPERIENCE

Currently working as a intern in Bharat biotech company, Hyderabad. I have been working in a project on Molecular genetics that is: "CRISPR-Cas9 Mediated Gene Editing in Model Organisms"

- Utilized CRISPR-Cas9 technology to target and modify specific genes in model organisms.
- Designed guide RNAs for precise gene editing and performed DNA extraction, PCR, and sequencing to confirm successful gene modification.
- Conducted phenotypic analysis to observe the effects of gene knockouts on organism development and behaviour.
- Used bioinformatics tools for gene alignment and sequence verification.
- Collaborated with senior researchers to document the project's progress and contributed to the preparation of a research paper.

PROJECT UNDERTAKEN

- ‘Bioinformatics and computational biology’ project (B.Tech final year)
 - Created Genetically Modified Plants using Agrobacterium
 - Microbial fermentation for Biofuel production
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ACHIEVEMENTS

- Awarded the Best Intern Award at Bharat biotech for outstanding research contribution
 - Secured 2nd place in biotechnology quiz at Manipal Institute
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SKILLS

- Technical tools: Bioinformatics tools, Gel electrophoresis, PCR, Bioprocessing techniques
 - Programming skills: Python, Web designing
 - Soft skills: Problem-solving, Team collaboration, Time management
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ACTIVITIES

- Member of Biotechnology club, Manipal Institute of Technology
 - Participated in workshops on genetic engineering, CRISPR and industrial biotechnology
 - Member of IEI
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PERSONAL DETAILS

Languages known: English, Kannada, Hindi and Tulu

REFERENCES

Available upon request
