



Avaneesh Srivastava

Course: B.Tech., Biotechnology, 2022. CGPA: 8.100
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About

Nationality - Indian

Self motivated undergraduate student skilled in biotechnological techniques and full stack web development. I believe that a company is built on values, and I will uphold those values to the best of my ability for the success of the organization. Looking for a position where I can exploit my skills in biotechnology or web development.

Subjects/Electives	Bioprocess Engineering, Bio-separation & Downstream processing; Information & Communication Technology; Molecular Biology; Immunology; Microbiology; Agricultural Informatics; Recombinant DNA Technology, Entrepreneurship Development & Business Management.
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TRAINING AND WORK EXPERIENCE

Student READY-In house Skill Development Module – Plant Biotechnology	Aug 2021 – Jan 2022
Summer research fellowship programme 2021 (SRFP) at CNBRCD, Bengaluru – Report titled – “Methylophs in Agriculture”	Jul 2021 - Sept 2021
Google Qwiklabs – Hands on training - Create and Manage Cloud Resources	Oct 2020

EDUCATION

UG - Bachelor of Technology (Biotechnology) – Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, Uttar Pradesh, India -250110	2018-2022	8.100/10.000 CGPA
INTERMEDIATE - Secondary School Certificate [12] -Raj English School, Paharia, Varanasi [CBSE Board]	2017-2018	80.2%
MATRICULATION -High School Certificate [10 Th] -St. John’s School, Marhau, Varanasi [ICSE Board]	2015-2016	81.83%

CERTIFICATIONS

Certification	Certifying Authority	Date
Server-side Development with NodeJS, Express and MongoDB	Coursera/Hong Kong University of Science and Technology	25 Jan 2022
Graduate Aptitude Test in Engineering 2021 – Biotechnology (GATE – BT), AIR-760	Indian Institute of Technology (IIT), Bombay	2021
Front-End Web Development with React	Coursera/Hong Kong University of Science and Technology	Dec 23,2020
Industrial Biotechnology	Coursera/Manchester University	Dec 3, 2020
Front-End Web UI Frameworks and Tools: Bootstrap 4	Coursera/Hong Kong University of Science and Technology	Nov 11,2020
JavaScript Algorithms and Data Structures	freeCodeCamp.org	Oct 3, 2020

Professional Skills

Lab work: Maintenance of Aseptic conditions, following biosafety guidelines, operating lab equipment	Computer Skills: MS Office, introductory bioinformatics, HTML, CSS, JS, Git, React, Bootstrap 4, iOS and Android hybrid app development with React Native
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Field work: Sample collection, taking surveys, market evaluation

Human Skills: Strong interpersonal skills, patient and humble, respectful and accountable, hardworking with a strong work ethic.

Volunteer/Charity Work

- National Service Scheme (NSS) Volunteer – 2018-2020
- I support Charitism (www.charitism.com)

Languages

- English (professional proficiency)
- Hindi (Native speaker proficiency)

Project Works

1. [Biotechnology Project] Summer Research Fellowship Programme [SRFP] – Under the guidance of Prof. Joseph Bagyaraj (Professor, NASI Senior scientist, CNBRCD, Bangalore – 560024), I wrote a review paper titled "*Methylophs in Agriculture*". I read several research and review papers and understood a lot about why biofertilizers play a critical role in organic agriculture. But at the same time also understood why chemical fertilizers are not disposable in the current agricultural scenario.
2. [Web Development Guided Project] Created a multipage website by using HTML, CSS, JQuery. Used Bootstrap library of CSS classes to design the website. Through this project I learned about creating structure and designing webpages, this website does not communicate with a backend server.
3. [Web Development Guided Project] Created a single page web application using React.js. The application is written in several smaller components which are then imported in one file(main component). State management is done using Redux. Designing is done using reactStrap node module. This application depends on a server to manage authentication, and to access to the JSON files and images. I have hosted this project online on the following link: [Ristorante Con Fusion \(000webhostapp.com\)](http://Ristorante Con Fusion (000webhostapp.com))
4. [Web Development Guided Project] Created a REST API (stateless) server to serve JSON documents to the web application created in the previous project. The server was created using Express Generator (a node module which creates a template of an express application), Express, MongoDB as a database, NodeJs and Mongoose. This server supports login and authentication. A user can be unregistered (not logged in), registered, admin. A user is given privileges to be able to send Get requests for various resources but only admin can send Put, Post and Delete requests. A registered logged in user can send post and delete request at /favourites endpoint and the user can post, put or delete its own comment on any dish at /dishes/dishId/comments and /dishes/dishId/comments/commentId endpoints and everyone can send Get request to any endpoint except the /users endpoint at which only the admin is allowed. Also learned the basics of security (https protocol), encryption and cryptography.