

# MUHAMMAD USMAN ALI

## SOFTWARE ENGINEER

+92 3242013266 | muhammadusmanali020@gmail.com | www.usmanalitech.com | muhammadxusman

### PROFESSIONAL SUMMARY

I am a recent graduate from the Software Engineering program with a strong foundation in various programming languages and frameworks. My technical expertise includes Python, React, Node.js, Next.js, PHP Laravel. While pursuing my academic degree, I also worked with various software companies, where I honed my skills in creating dynamic, efficient, and user-friendly software solutions. As a software engineer, I am motivated to leverage my knowledge and skills to contribute to innovative projects.

### EDUCATION

- Usman Institute of Technology Affiliated with NED University** Oct 2020 - July 2024  
BSSE - Bachelors of Science in Software Engineering
- Commecs College** 2018 - 2020  
Computer Science

### TECHNICAL SKILLS

Programming Languages	Frameworks	Tools & Technologies	CMS
<ul style="list-style-type: none"><li>Python</li><li>JavaScript</li></ul>	<ul style="list-style-type: none"><li>React</li><li>Node js</li><li>Next js</li><li>Laravel</li><li>Flask</li></ul>	<ul style="list-style-type: none"><li>Git/GitHub</li><li>AWS</li><li>Docker</li><li>Kubernetes</li><li>CI/CD</li></ul>	<ul style="list-style-type: none"><li>WordPress</li></ul>

### EXPERIENCE

- Fugen Services** Sep 2022 - Jan 2024  
Software Developer
  - Developed full-stack web applications using the MVC (Model-View-Controller) architecture.
  - Developed responsive and dynamic web applications using React.
  - Built and maintained e-commerce websites using WooCommerce and OpenCart.
  - Worked on multiple WordPress websites
  - Implemented RESTful APIs to support various web and mobile applications, to ensure seamless integration and data exchange.

- Integrated third-party APIs and services to enhance application functionality and meet client requirements.
- Develop Reactjs and Nextjs Projects.
- Implemented version control, quality assurance, and continuous learning practices.
- Hands-on experience on Upwork and working as a Project Manager. Collaborated with clients and cross-functional teams to optimize websites for performance and responsiveness

## PROJECTS

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### **Grad.io - Final Year Project**

*React, Nodejs, MySQL, Flask, Selenium*

- Developed a system to assist students in selecting universities based on their grades, preferences, and interests, solving a real-world problem, and increasing user engagement by 40%.
- Designed and developed Backend APIs to handle scraped data, improving data processing efficiency by 25%.
- Used Selenium to scrape data from more than 200 universities and provide reliable recommendations and predictions.
- A RIASEC model plus Cosine similarity and Sentence Transformer was applied to personality assessments to improve recommendation relevance by approximately 50%.
- Applied NLP techniques, Porter Stemmer and Word Lemmatization, to increase the accuracy of text-based input by 20%.
- Implemented Google OAuth2 for authorization and JSON Web Tokens (JWT) for stateless authentication, improving user session management and system integrity.

### **Automobile sell and purchase web app**

- Developed an Automobile Dealer web app using PHP Laravel-8 enabling users to seamlessly list their vehicles for sale.

### **Peptides Dosage Calculator web app**

- Developed a web application to calculate accurate peptide dosages, streamlining the process for users and reducing calculation errors by 30%.
- Implemented Email and Phone OTP verification APIs with a 99% success rate, processing over 100+ verifications.
- Implemented a Unit-switching feature, increasing user flexibility and achieving 80% uniqueness compared to competitor applications.

### **Medical company compression and voting website.**

- Develop a website that allows users to compare peptide companies, helping them choose the best medicine for their needs

### **WordPress & Woo-commerce store**

- Develop a many SEO friendly woo-commerce website with complete payment integration.
- Develop and optimize multiple WordPress websites.