



Scheme and Syllabus
B.Tech Full Stack Development



B.tech in Full Stack Development: 4 years program

Program Description:

The Full Stack Development Specialization is a comprehensive and hands-on program that will teach you the skills and knowledge necessary to build and deploy web applications. Through a combination of lectures, projects, and practical, you will learn how to develop user interfaces, back-end servers, and databases. You will also learn how to apply software engineering principles and practices to your development projects. The program places a strong emphasis on practical skills and projects, giving students the opportunity to work on a variety of real-world web development projects to solidify their skills and gain practical experience.

Value Proposition:

The Full Stack Development Specialization is a valuable investment for anyone who wants to pursue a career in web development. The program is taught by industry experts and provides students with the skills and knowledge they need to be successful in the job market. The web development industry is growing rapidly, and there is a high demand for skilled full stack developers. The program curriculum is designed to meet the needs of the web development industry, and students will learn the latest tools and technologies that employers are looking for. In addition to the technical skills students will learn, the Full Stack Development Specialization also offers placement assistance to help them find jobs after graduation. This means that students will have the opportunity to work on real-world web development projects as part of their coursework, and they will also have access to a network of industry professionals who can help them find a job after they graduate.


Learning Outcomes of the Program:

- Understand the fundamental concepts and principles of programming.
- Develop proficiency in designing and implementing algorithms and data structures.
- Gain knowledge of frontend development principles and best practices.
- Learn to design and implement databases using MySQL.
- Develop skills in backend development and server-side programming.
- Advance knowledge in backend development techniques and technologies.
- Gain proficiency in mobile app development using Flutter framework.
- Understand software design principles and architectural patterns.
- Explore the foundations of generative artificial intelligence in coding.
- Learn about production environments and best practices for code hygiene.

Job Titles:

- Front-End Developer
- Back-End Developer
- Software Engineer
- Web Developer
- Cloud Engineer
- Technical Lead
- Engineering Manager
- Product Manager

Career Prospects:


AmbitionBox

Benefits

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Front end Developer Salary in India based on 36.8k latest salaries



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Full Stack Developer Salaries

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Full Stack Developer Salaries in India
Updated 3 Oct 2023

Very High Confidence

Average Base Pay
₹6,75,000 /yr
5,143 salaries

Additional Cash Compensation
Average: **₹75,000** Range: ₹2,000 - ₹3,50,000

The average salary for Full Stack Developer is ₹6,75,000 per year in the India. The average additional cash compensation for a Full Stack Developer in the India is ₹75,000, with a range from ₹21,000 - ₹2,00,000. Salaries estimates are based on 5143 salaries submitted anonymously to Glassdoor by Full Stack Developer employees in India.

What is the salary trajectory for a Full Stack Engineer?
in India

₹9,00,000 /yr Full Stack Engineer
₹17L /yr Senior Full Stack Engineer
₹23L /yr Lead Full Stack Engineer

See Full Career Path >

Download as data table

Course Structure:

YEAR 1 SEMESTER-I

Item	Item Name	Hours
Subject 1	Design Thinking for Programmers	45
Total		45

YEAR 1 SEMESTER-II

Item	Item Name	Hours
Subject 1	Database Design using MYSQL	45
	Database Design using MYSQL - Lab	30
Total		75

YEAR 2 SEMESTER-III

Item	Item Name	Hours
Subject 1	Foundations of Front-End Development	45
	Foundations of Front-End Development-Lab	30
Total		75

YEAR 2 SEMESTER-IV

Item	Item Name	Hours
Subject 1	Foundation of Back-End Development	45
	Foundation of Back-End Development-Lab	30
Total		75

YEAR 3 SEMESTER-V

Item	Item Name	Hours
Subject 1	Advanced Back-End Development	45
	Advanced Back-End Development-Lab	30
Total		75

YEAR 3 SEMESTER-VI

Item	Item Name	Hours
Subject 1	Software Design Principles	45
Total		45

YEAR 4 SEMESTER-VII

Item	Item Name	Hours
Subject 1	Foundations of Gen AI in Coding	45
Total		45

YEAR 4 SEMESTER-VIII

Item	Item Name	Time
	Industry Live Project	60 hours
	Internship	6 months
Total		